

FCE-CONT-5-v5 (12/2018)

Français - FR

USAGE PRÉVU

Ces dispositifs de diagnostic *in vitro* sont destinés au contrôle qualité des performances des tests quantitatifs ELITech listés dans la fiche de valeur.

COMPOSITION

ELITROL I et II sont des sérums de contrôle lyophilisés à base de sérum humain.

MATÉRIELS REQUIS MAIS NON FOURNIS

- Équipement général de laboratoire

AVERTISSEMENTS ET PRÉCAUTIONS

- Ces contrôles sont uniquement destinés aux professionnels du diagnostic *in vitro*.
- Ces contrôles sont préparés à partir de produits d'origine humaine examinés selon des méthodes approuvées par la FDA et trouvés non réactifs pour l'antigène de surface du virus de l'Hépatite B (AgHBs), pour les anticorps anti-HCV (Hépatite C) et pour les anticorps anti-VIH1/VIH2. Il est toutefois recommandé de les considérer comme potentiellement infectieux et de les manipuler avec les précautions d'usage.
- Respecter les précautions d'usage et les bonnes pratiques de laboratoire.
- Utiliser du matériel de laboratoire propre à usage unique afin d'éviter toute contamination.
- Pour plus d'information, la fiche de données de sécurité (FDS) est disponible sur demande pour les professionnels.

TRAITEMENT DES DÉCHETS

L'élimination de tous les déchets doit être effectuée conformément aux exigences réglementaires locales, d'état et fédérales.

PRÉPARATION

- Tapoter doucement le flacon pour que le matériel de contrôle soit en bas du flacon.
- Ouvrir avec précaution le flacon en évitant la perte de poudre lyophilisée.
- Ajouter précisément 5 mL d'eau distillée ou d'eau désionisée.
- Reboucher le flacon avec soin. Dissoudre le contenu complètement par retournements successifs du flacon pendant une durée de 30 minutes.
- Ne pas agiter afin d'éviter la formation de mousse.

Remarque importante : Pour réactiver la phosphatase alcaline, laissez reposer le flacon reconstitué à 15 - 25 °C pendant une heure.

DÉTÉRIORATION DU PRODUIT

- Le contrôle peut présenter un aspect légèrement trouble après reconstitution. Cela n'a aucun effet sur les performances du produit. Toute présence de particules serait le signe d'une détérioration.
- Ne pas utiliser le produit s'il y a des signes évidents de détérioration biologique, chimique ou physique.
- Ne pas utiliser le contrôle si les dommages de l'emballage peuvent avoir un effet sur les performances du produit (fuites).

STABILITÉ ET CONSERVATION

Avant reconstitution :

- Stocker à 2-8 °C et à l'abri de la lumière.
- Ne pas utiliser après la date d'expiration indiquée sur l'étiquette du flacon.

Après reconstitution :

- Stabilité des constituants :
Entre 2 et 8 °C : 5 jours
Entre -25 et -15 °C : 4 semaines (ne congeler qu'une seule fois)
- Exceptions :
- Stabilité de la bilirubine totale (à conserver à l'abri de la lumière) :
Entre 2 et 8 °C : 24 heures
Entre -25 et -15 °C : 5 jours (ne congeler qu'une seule fois)
- Stabilité de la bilirubine directe (à conserver à l'abri de la lumière) :
Entre 2 et 8 °C : 8 heures
Entre -25 et -15 °C : 5 jours (ne congeler qu'une seule fois)
- Stabilité de la phosphatase alcaline :
Entre 2 et 8 °C : 24 heures
Entre -25 et -15 °C : 4 semaines (ne congeler qu'une seule fois)

Note :

- Conserver les flacons bien fermés et à l'abri de la lumière après reconstitution.
- Mélanger avant utilisation
- Les congélations répétées des échantillons, leur décongélation à 37°C ainsi que l'agitation énergique doivent être évitées car elles peuvent dénaturer la ferritine.

MODE OPÉRATOIRE

Les sérums de contrôle sont analysés comme des échantillons. Selon les instructions de la fiche technique de chaque réactif servant au dosage, il est recommandé d'analyser ces sérums en même temps que des échantillons de patients, au moins une fois par jour ainsi qu'à chaque nouvelle calibration.

VALEURS DE CONTRÔLE

Les concentrations et activités des constituants sont spécifiques au lot. Les informations sur la traçabilité des valeurs sont indiquées dans la fiche de valeurs incluse dans le coffret. Les valeurs obtenues par les laboratoires peuvent être différentes de celles annoncées. La technique, l'équipement et des erreurs expérimentales peuvent induire ces différences. Par conséquent, il est conseillé que chaque laboratoire redéfinisse ses propres normes.

Pour les utilisateurs du logiciel Selectra Touch Pro, utiliser les valeurs incluses dans le code barre disponible sur la fiche de valeurs.

English - EN

INTENDED USE

These *in vitro* diagnostic devices are intended for the quality control of the performances of ELITech quantitative tests listed in the value sheet.

COMPOSITION

ELITROL I and ELITROL II are lyophilized control sera prepared from human serum.

MATERIALS REQUIRED BUT NOT PROVIDED

- General Laboratory equipment.

WARNINGS AND PRECAUTIONS

- These controls are for professional *in vitro* diagnostic use only.
- These controls are prepared from human material tested by FDA approved methods and found to be non reactive for HbsAg, anti-HCV antibody and anti-HIV1&2 antibodies. However as no test method can rule out the potential risk of infection with absolute certainty, handle cautiously as potentially infectious.
- Take normal precautions and adhere to good laboratory practice.
- Use clean or single use laboratory equipment only to avoid contaminations.
- For more information, Safety Data Sheet (SDS) is available on request for professional user.

WASTE MANAGEMENT

Disposal of all waste material should be in accordance with local, state and Federal regulatory requirements.

PREPARATION

- Gently tap the vial so that the control material can be at the bottom of the vial.
- Carefully open the vial, avoiding the loss of lyophilizate.
- Add in exactly 5 mL of distilled/deionized water.
- Carefully close the vial and dissolve the contents completely by occasional gentle swirling during 30 minutes.
- Do not shake to avoid the formation of foam.

Important : To reactivate the alkaline phosphatase, allow the reconstituted control serum to stand for one hour at 15-25 °C.

PRODUCT DETERIORATION

- The control may present a slightly hazy appearance after reconstitution. This has no effect on the performances of the product. All presence of particles would indicate deterioration.
- Do not use the product if there is visible evidence of biological, chemical or physical deterioration.
- Do not use the control if the damages of packaging might have an effect on the product performance (leakages).

STABILITY AND STORAGE

Prior to reconstitution :

- Stored at 2-8 °C and protected from light.
- Do not use after expiration date indicated on the vial label.

After reconstitution :

- Stability of the components:
Between 2 and 8 °C : 5 days
Between -25 and -15 °C : 4 weeks (when frozen once)
- Exceptions :
- Stability of total bilirubin (when stored protected from light) :
Between 2 and 8 °C : 24 hours
Between -25 and -15 °C : 5 days (when frozen once)
- Stability of direct bilirubin (when stored protected from light) :
Between 2 and 8 °C : 8 hours
Between -25 and -15 °C : 5 days (when frozen once)
- Stability of alkaline phosphatase:
Between 2 and 8 °C : 24 hours
Between -25 and -15 °C : 4 weeks (when frozen once)

Note :

- Store control sera tightly capped and protected from light after reconstitution.
- Mix content prior to use.
- Frozen specimen should not be thawed at 37°C, and repeated freezing and thawing should be avoided, as well as violent mixing, which may denature ferritin.

PROCEDURE

The control sera are handled as samples according to the instructions use of each reagent. It is recommended to use these sera together with samples, at least once a day and after each calibration.

CONTROL VALUES

The concentrations and activities of the components are lot-specific. The information of traceability values are indicated in the data sheet enclosed in the kit. Individual laboratories may obtain values different from those announced. Technique, equipment and experimental error may produce slightly different values. Each laboratory should determine their own mean values.

For users with Selectra Touch ProSoftware, use the values included in the barcode available on the value sheet.

Español - ES

USO PREVISTO

Estos dispositivos de diagnóstico *in vitro* están diseñados para el control de calidad del rendimiento de las pruebas cuantitativas ELITech listadas en la hoja de valores.

COMPOSICIÓN

ELITROL I y II son sueros de control liofilizados de origen humano.

MATERIALES REQUERIDOS PERO NO INCLUIDOS

- Equipo de laboratorio de uso general.

ATENCIÓN Y PRECAUCIONES

- Estos controles son solamente para uso profesional en el diagnóstico *in vitro*.
- Los controles se prepararon a partir de productos de origen humano examinados de acuerdo con métodos aprobados por la FDA y han resultado no reactivos para el antígeno de superficie del virus de la Hepatitis B (AgHBs), para los anticuerpos anti-HCV (Hepatitis C) y para los anticuerpos anti-VIH1/VIH2. Sin embargo, se recomienda considerarlos como potencialmente infecciosos y manipularlos con precaución.
- Respetar las precauciones de uso y las buenas prácticas de laboratorio.
- Para evitar contaminaciones utilizar equipo nuevo o completamente limpio.
- Para más información, la ficha de datos de seguridad (FDS) está disponible a solicitud para uso profesional.

TRATAMIENTO DE LOS RESIDUOS

Todos los materiales de desecho deben eliminarse de acuerdo con las requisitos regulatorios locales, estatales, y federales.

PREPARACIÓN

- Golpear suavemente el frasco para que el material de control quede en el fondo del frasco.
- Destapar cuidadosamente el frasco con el fin de evitar la pérdida de material liofilizado.
- Agregar exactamente 5 mL de agua destilada o de agua desionizada.
- Cerrar cuidadosamente el frasco. Disolver completamente por inversión realizando movimientos giratorios ocasionales durante 30 minutos.
- No agitar para evitar la formación de espuma.

Importante : Para reactivar la fosfatasa alcalina, deje el vial reconstituido descansar a 15 - 25 °C durante una hora.

DETERIORACIÓN DEL PRODUCTO

- El control puede presentar un aspecto ligeramente turbio después de reconstitución, esto no afecta el rendimiento del producto. La presencia de partículas es un signo de deterioro.
- No utilice el producto si este presenta signos evidentes de deterioración biológica, química o física.
- No utilice el control si los daños al embalaje pudiesen tener un efecto sobre el rendimiento del producto (fugas).

ESTABILIDAD Y CONSERVACIÓN

Antes de la reconstitución :

- Conservar a 2-8 °C y protegidos de la luz.
- No utilice después de la fecha de caducidad indicada en la etiqueta del frasco.

Después de la reconstitución :

- Estabilidad de los componentes:
Entre 2 y 8 °C : 5 días
Entre -25 y -15 °C : 4 semanas (no congelar más de una vez)
- Excepciones :
- Estabilidad de la bilirrubina total (proteger de la luz) :
Entre 2 y 8 °C : 24 horas
Entre -25 y -15 °C : 5 días (no congelar más de una vez)
- Estabilidad de la bilirrubina directa (proteger de la luz) :
Entre 2 y 8 °C : 8 horas
Entre -25 y -15 °C : 5 días (no congelar más de una vez)
- Estabilidad de la fosfatasa alcalina:
Entre 2 y 8 °C : 24 horas
Entre -25 y -15 °C : 4 semanas (no congelar más de una vez)

Note :

- Conservar los frascos bien cerrados y protegidos de la luz después de la reconstitución.
- Mezclar antes de usar.
- Los especímenes congelados no deben ser descongelados a 37°C, así mismo deben evitarse congelaciones y descongelaciones repetidas, de igual manera las mezclas violentas que puedan desnaturar la ferritina.

PROCEDIMIENTO

Los sueros de control se analizan como muestras. Según las instrucciones de dosificación de acuerdo a la ficha técnica de cada reactivo, se recomienda analizar estos sueros al mismo tiempo que las muestras de pacientes, al menos una vez al día y en cada nueva calibración.

VALORES DE CONTROL

Las concentraciones y actividades de los componentes son específicas para cada lote de reactivos. La información de los valores de trazabilidad está indicada en la ficha de valores incluida en el kit. Los laboratorios pueden obtener valores diferentes de los valores anunciados. Procedimiento, equipo, errores experimentales pueden producir valores con pequeñas diferencias. Se recomienda que cada laboratorio determine su propia media para estos controles.

Para los usuarios del software Selectra Touch Pro, utilice los valores incluidos en el código de barras disponible en la ficha de valores.

Português - PT

UTILIZAÇÃO PREVISTA

Estes dispositivos de diagnóstico *in vitro* são destinados ao controle de qualidade dos desempenhos dos testes quantitativos ELITech listados na folha de valores.

COMPOSIÇÃO

ELITROL I e II são soros de controle liofilizados à base de soro humano.

MATERIAIS NECESSÁRIOS MAS NÃO FORNECIDOS

- Equipe de laboratório de uso geral.

AVISO E PRECAUÇÕES

- Estes controles são somente para uso profissional de diagnóstico *in vitro*.
- Os controles são preparados a partir de produtos de origem humana examinados através dos métodos aprovados da FDA e que apresentaram um resultado não reativo ao antígeno de superfície do vírus da Hepatite B (AgHBs), aos anticorpos anti-HCV (Hepatite C) e aos anticorpos anti-VIH1/VIH2. No entanto, recomenda-se que sejam considerados como potencialmente infecciosos e que sejam manuseados respeitando as precauções de utilização.
- Respeitar as precauções de utilização e as boas práticas de laboratório.
- Utilizar material de laboratório limpo ou destinado a uma única utilização de modo a evitar qualquer contaminação.
- Para mais informações, a ficha de dados de segurança (FDS) está disponível mediante pedido para os profissionais.

TRATAMENTO DOS RESÍDUOS

Todos os resíduos devem ser eliminados de acordo com as exigências locais de regulamentação, estadual e federal.

PREPARAÇÃO

- Bata levemente no frasco para que o material de controle possa estar no fundo do frasco.
- Abra cuidadosamente o frasco, evitando a perda de pó liofilizado.
- Acrescente exatamente 5 mL de água destilada ou desionizada.
- Feche o frasco com cuidado. Dissolva o conteúdo completamente através de rotações sucessivas do frasco durante 30 minutos.
- Não agitar, de modo a evitar a formação de espuma.

Observação importante :

Para reativar a fosfatase alcalina, deixe o frasco reconstituído descansar a 15 - 25 °C por uma hora.

DETERIORAÇÃO DO PRODUTO

- O control pode apresentar uma aparência um pouco nebulosa após a reconstituição, isto não tem efeito sobre o desempenho do produto. A presença de partículas indica deterioração.
- Não use o produto se houver evidência visível de deterioração física, biológica ou química.
- Não utilize o control caso haja danos na embalagem que possam causar algum efeito sobre o desempenho do produto (vazamentos).

ESTABILIDADE E CONSERVAÇÃO

Antes da reconstituição :

- Conservar a 2-8 °C e ao abrigo da luz.
- Não utilizar após as datas de validade indicadas nos rótulos dos frascos.

Após a reconstituição :

- Estabilidade dos constituintes:
Entre 2 e 8 °C : 5 dias
Entre -25 e -15 °C : 4 semanas (congelar apenas uma única vez)
- Exceções :
- Estabilidade da bilirrubina total (a conservar ao abrigo da luz) :
Entre 2 e 8 °C : 24 horas
Entre -25 e -15 °C : 5 dias (congelar apenas uma única vez)
- Estabilidade da bilirrubina directa (a conservar ao abrigo da luz) :
Entre 2 e 8 °C : 8 horas
Entre -25 e -15 °C : 5 dias (congelar apenas uma única vez)
- Estabilidade da fosfatase alcalina :
Entre 2 e 8 °C : 24 horas
Entre -25 e -15 °C : 4 semanas (congelar apenas uma única vez)

Observação :

- Conservar os frascos bem fechados e ao abrigo da luz após a reconstituição.
- Misture o conteúdo antes de usar.
- Os espécimes congelados não devem ser descongelados a 37°C, evitando a congelação e descongelação repetidas, bem como a mistura violenta, que pode desnaturar a ferritina.

PROCEDIMENTO

Os soros de controle são analisados como amostras. De acordo com as instruções da ficha técnica de cada reagente utilizado para a dosagem, recomenda-se que estes soros sejam analisados ao mesmo tempo que amostras de doentes, pelo menos uma vez por dia, bem como a cada nova calibração.

VALORES DE CONTROLO

As concentrações e actividades dos constituintes são específicas ao lote. A informação dos valores de rastreabilidade estão indicados na folha de dados colocada no kit. Os valores obtidos pelos laboratórios podem ser diferentes dos anunciados. A técnica, o equipamento e erros experimentais podem induzir essas diferenças. Consequentemente aconselha-se que cada laboratório redefina as suas próprias normas.

Os usuários do software Selectra Touch Pro, utilizam os valores incluídos nos código de barras disponível nas folha de referência.





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TO WHOM TO BE CONCERNED

We, Seppim S.A.S., manufacturers of Elitech Clinical Systems reagents, having our factory at Zone Industrielle, 61500 Sées - France, confirm that our clinical reagents have been validated on Vital Scientific equipment. As such available Elitech Clinical Systems reagent applications for Vital Scientific instruments are CE-IVD compliant.

Reagents, other than Elitech Clinical Systems reagents, are not validated on Vital Scientific equipments, and we also can't know the impact of other reagents on Vital Scientific equipments.

May 22nd, 2012

Noi, subsemnații Seppim S.A.S., compania producătoare a reagenților Elitech Clinical Systems, având fabrica de producere în Zone Industrielle, 61500, Franța, confirmăm, că reagenții au fost testați și validați pe echipamentele Vital Scientific. Pentru acești reagenți există și protocoale specializate pentru analizatoarele produse de Vital Scientific. Atât reagenții cât și echipamentele sunt certificate CE-IVD.

Alți reagenți înafara de Elitech Clinical Systems, nu au fost testați și validați la echipamentele Vital Scientific și noi nu cunoaștem compatibilitatea și impactul lor asupra analizatoarelor Vital Scientific.

22 mai 2012

Signed on behalf of the manufacturer
Valérie GOURDON
Regulatory Affairs Manager
COMPANY SEPPIM S.A.S

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ΕΛΛΗΝΙΚΑ - EL

ΠΡΟΒΛΕΠΟΜΕΝΗ ΧΡΗΣΗ

Τα εν λόγω in vitro διαγνωστικά προϊόντα προορίζονται για τον ποσοτικό έλεγχο της απόδοσης των ποσοτικών εξετάσεων της ELITEch που αναγράφονται στο έντυπο τιμών.

ΠΕΡΙΓΡΑΦΗ

Τα ELITROL I και II είναι λυοφιλιζόμενοι ορόι έλεγχου που παράγονται από ανθρώπινους ορούς.

ΥΛΙΚΑ ΠΟΥ ΑΠΑΙΤΟΥΝΤΑΙ ΑΛΛΑ ΔΕΝ ΠΑΡΕΧΟΝΤΑΙ ΣΤΟ ΚΙΤ

- Γενικός Εργαστηριακός Εξοπλισμός

ΠΡΟΕΙΔΟΠΟΙΗΣΕΙΣ ΚΑΙ ΠΡΟΣΟΧΗ

- Οι συγκεκριμένοι ορόι έλεγχου προορίζονται μόνο για επαγγελματική in vitro διαγνωστική χρήση.
- Αυτοί οι ορόι έλεγχου προετοιμάζονται από ανθρώπινο υλικό ελεγμένο από εγκεκριμένες μεθόδους του FDA και βρέθηκαν ότι είναι ασφαλές για αντισώματα anti-HIV, anti-HCV και anti-HIV182. Εντούτοις, καθώς καμία μέθοδος έλεγχου δεν μπορεί να αποκλείσει πιθανό κίνδυνο επιμόλυνσης με σφάλματα βελανιδιάς, κρατάτε τους με προσοχή ως πιθανά επιμολυσμένους.
- Λάβετε συνήθεις προφυλάξεις και εφαρμόστε καλή εργαστηριακή πρακτική.
- Χρησιμοποιήστε μόνο καθαρά ή μίας χρήσης εργαστηριακά σκεύη για την αποφυγή επιμολύνσεων.
- Για περισσότερες πληροφορίες, υπάρχουν διαθέσιμα τα Δελτία Δοδολιών Ασφάλειας Υλικού (SDS) κατόπιν αιτήματος από τους επαγγελματίες χρήστες.

ΔΙΑΧΕΙΡΗΣΗ ΑΠΟΒΛΗΤΩΝ

Η απόδοση όλων των αποβλήτων θα πρέπει να γίνει σύμφωνα με τις απαιτήσεις των τοπικών και κρατικών κανονισμών.

ΠΑΡΑΣΚΕΥΗ

- Χτυπήστε απαλά την φιάλη ώστε το υλικό έλεγχου να βρίσκεται στο κάτω μέρος της φιάλης.
- Ανοίξτε προσεκτικά το φιαλίδιο, αποφεύγοντας την απώλεια της λυοφιλιζμένης ουσίας.
- Προσθέστε ακριβώς 5 mL στείρα/αποστειρωμένου νερού.
- Κλείστε προσεκτικά το φιαλίδιο και διαλύστε εντελώς το περιεχόμενο με περιστροφικές ήπιες περιστροφικές κινήσεις εντός 30 λεπτών λεπτιών μέχρι την πλήρη διάλυση του.
- Μην ανακινείτε για αποφυγή σχηματισμού αφρού.

Σημαντικό: Για ενεργοποίηση της αλκαλικής φωσφατάσης, αφήστε τον αναστασμένο ορό έλεγχου να παραμείνει για μία ώρα στους 15-25o C.

ΑΛΛΟΙΩΣΗ ΤΟΥ ΠΡΟΪΟΝΤΟΣ

- Μετά την ανασύσταση : Ο έλεγχος μπορεί να παρουσιάσει μία ελαφρά θαλά εμφάνιση. Αυτή δεν έχει καμία επίδραση στην απόδοση του προϊόντος. Η παρουσία μεμβρανών μπορεί να υποδεικνύει καταστροφή.
- Μην χρησιμοποιείτε το προϊόν εάν υπάρχει εμφανής ένδειξη βιολογικής, χημικής ή φυσικής καταστροφής.
- Μην χρησιμοποιείτε το βαθμονομητή, εάν η κατατρεμμένη συσκευασία έχει επίδραση στην απόδοση του προϊόντος (διαρροές).

ΣΤΑΘΕΡΟΤΗΤΑ ΚΑΙ ΑΠΟΘΗΚΕΥΣΗ

Πριν την ανασύσταση:

- Αποθήκευση στους 2-8o C μακριά από το φως.
- Να μην χρησιμοποιείται πέραν των ημερομηνιών λήξης που αναγράφονται στις ετικέτες των φιαλιδίων.

Μετά την ανασύσταση:

- Σταθερότητα των συστατικών:
Στους 2 έως 8o C : 5 ημέρες
Στους -25 έως -15o C : 4 εβδομάδες (μία φορά κατάψυξη)

Εφαρμογές:

- Σταθερότητα ολικής χολερυθρίνης (όταν αποθηκεύεται μακριά από φως)
Στους 2 έως 8o C : 24 ώρες
Στους -25 έως -15o C : 5 ημέρες (μία φορά κατάψυξη)
- Σταθερότητα άμεσης χολερυθρίνης (όταν αποθηκεύεται μακριά από φως)
Στους 2 έως 8o C : 8 ώρες
Στους -25 έως -15o C : 5 ημέρες (μία φορά κατάψυξη)
- Σταθερότητα της αλκαλικής φωσφατάσης
Στους 2 έως 8o C : 24 ώρες
Στους -25 έως -15o C : 4 εβδομάδες (μία φορά κατάψυξη)

Σημείωση:

- Μετά την ανασύσταση αποθηκεύστε τους ορούς έλεγχου αφού τους πωμάσετε καλά και τους προφυλάξετε από το φως.
- Αναδύστε το περιεχόμενο πριν την χρήση.
- Το καταψυγμένο δείγμα δε θα πρέπει να αποψυχθεί στους 37oC και θα πρέπει να αποφευχθεί η επαναλαμβανόμενη κατάψυξη και απόψυξη καθώς και η βίωση ανάμειξη, που μπορεί να αλλοιώσει τη φερριτίνη.

ΔΙΑΔΙΚΑΣΙΑ

Ο χειρισμός των ELITROL I και II γίνεται όμοια με τα δείγματα σύμφωνα με τις οδηγίες για κάθε αντιδραστήριο. Συνιστάται η χρήση τους μαζί με τα δείγματα τουλάχιστον μία φορά την ημέρα και μετά από κάθε βαθμονόμηση.

ΤΙΜΕΣ ΕΛΕΓΧΟΥ

Οι συγκεκριμένες και οι ενεργότητες των συστατικών εξαρτώνται από την παρτίδα (Lot). Οι πληροφορίες των τιμών ιχνηλασιμότητας υποδεικνύονται στο συσχετιστικό δελτίο δεδομένων.

Τα κάθε εργαστήριο μπορεί να έχει διαφορετικές τιμές από αυτές που αναγράφονται. Η τεχνική, ο αναλυτής και πειραματικά λάθη μπορεί να δημιουργούν ελαφρώς διαφορετικές τιμές. Κάθε εργαστήριο θα πρέπει να καθορίζει τις δικές του μέσες τιμές.

Οι χρήστες του προγράμματος Selectra Touch Pro πρέπει να χρησιμοποιήσουν τις τιμές που περιέχονται στα γραμμωτά κώδικα που είναι διαθέσιμος στο φύλλο τιμών.

SYMBOLS UTILISES SUR LES ETIQUETTES SYMBOLS USED ON LABELS SIMBOLOS USADOS EN LA ETIQUETA SIMBOLOS UTILIZADOS NOS RÓTULOS ΣΥΜΒΟΛΑ ΠΟΥ ΧΡΗΣΙΜΟΠΟΙΟΥΝΤΑΙ ΣΤΙΣ ΕΤΙΚΕΤΕΣ

Les symboles utilisés sont décrits dans la norme ISO 15223, norme en cours présentée ci-après / Symbols used are defined on ISO 15223 standard, except those presented below / Los símbolos utilizados son descritos según la norma ISO 15223, excepto los que se presentan a continuación. / Os símbolos usados são definidos na norma ISO 15223, exceto aqueles apresentados abaixo / Τα χρησιμοποιούμενα σύμβολα ορίζονται στο πρότυπο ISO 15223, εκτός από αυτά που παρουσιάζονται παρακάτω

CONT	Contenu / Contenti / Contiene / Conteúdo / περιεχόμενο
RCM x mL	Reconstituer avec x mL / Reconstitute with x mL / Reconstituir con x mL / Reconstituír con x mL / Ανασύσταση με x mL
CE	Conformité Européenne / European Conformity / Conformidad Europea / Conformidade Europeia / Ευρωπαϊκή Συμμόρφωση

ELICAL 2

Références/References/Referencias
Referências/Kwðixoi:
 CALI - 0550 4 x 3 mL

Compositi   du coffret/ Kit composition/Composici  n del kit
Cont  do da embalagem/Περιεχ  μενα συσκευασίας:
 Cal : 4 x 3 mL



Fran  ais - FR

USAGE PR  VU

ELITech Clinical Systems ELICAL 2 est un calibrant multi-param  trique de diagnostic in vitro utilis   pour la calibration quantitative des m  thodes ELITech Clinical Systems.

DESCRIPTION

ELITICAL 2 est un s  rum de calibration lyophilis      base de s  rum humain. Les concentrations et activit  s ont   t   choisies de mani  re    garantir une calibration optimale des r  sultats.

MAT  RIELS REQUIS MAIS NON FOURNIS

-   quipement g  n  ral de laboratoire

  VERTISSEMENTS ET PR  CAUTIONS

- Ce calibrant est uniquement destin   aux professionnels du diagnostic in vitro.
- Le calibrant est pr  par      partir de produits d'origine humaine examin  s selon des m  thodes approuv  es par la FDA ou la CE et trouves n  gatifs pour l'antig  ne de surface du virus de l'H  patite B (AgHBs), pour les anticorps anti-HCV (H  patite C) et pour les anticorps anti-VIH1/VIH2. Il est toutefois recommand   de les consid  rer comme potentiellement infectieux et de les manipuler avec les pr  cautions d'usage.
- Respecter les pr  cautions d'usage et les bonnes pratiques de laboratoire.
- Utiliser du mat  riel de laboratoire propre    usage unique afin d  viter toute contamination.
- Pour plus d'information, la fiche de donn  es de s  curit   (FDS) est disponible sur demande pour les professionnels.

TRAITEMENT DES D  CHETS

L'  limination de tous les d  chets doit   tre effectu  e conform  ment    la l  gislation en vigueur.

PR  PARATION

- Ouvrir avec pr  caution le flacon en   vitant la perte de poudre lyophilis  e.
- Ajouter pr  cis  ment 3 mL d'eau distill  e ou d'eau d  ionis  e.
- Reboucher le flacon avec soin. Dissoudre le contenu compl  tement par retournements successifs du flacon dans un d  lai de 30 minutes.
- Ne pas agiter afin d  viter la formation de mousse.

D  TERIORATION DU PRODUIT

Le calibrant peut pr  senter un aspect l  g  rement trouble apr  s reconstitution. Cela n'a aucun effet sur les performances du produit. Toute pr  sence de particules serait le signe d'une d  t  rioration.

- Ne pas utiliser le produit s'il y a des signes   vidents de d  t  rioration biologique, chimique ou physique.

EMBALLAGE ENDOMMAG  

Ne pas utiliser le calibrant si les dommages de l'emballage peuvent avoir un effet sur les performances du produit (fuites).

STABILIT   ET CONSERVATION

Avant reconstitution :

- Stocker    2-8   C    l'abri de la lumi  re.
- Ne pas utiliser apr  s la date d'expiration indiqu  e sur l'  tiquette du flacon.

Apr  s reconstitution :

- Stabilit   des constituants :
 Entre 15 et 25   C : 8 heures
 Entre 2 et 8   C : 2 jours
 Entre -25 et -15   C : 4 semaines (ne cong  ler qu'une seule fois)

Exceptions :

- Stabilit   de la bilirubine directe (   conserver    l'abri de la lumi  re) :
 Entre 15 et 25   C : 3 heures
 Entre 2 et 8   C : 8 heures
 Entre -25 et -15   C : 2 semaines (ne cong  ler qu'une seule fois)

- Stabilit   de la bilirubine totale (   conserver    l'abri de la lumi  re) :
 Entre 15 et 25   C : 6 heures
 Entre 2 et 8   C : 1 jour
 Entre -25 et -15   C : 2 semaines (ne cong  ler qu'une seule fois)

Note : Conserver les flacons bien ferm  s et    l'abri de la lumi  re.

MODE OP  RATOIRE

Pour calibrer avec ELICAL 2, suivre le mode op  ratoire d  crit dans la fiche technique de chaque r  sultat servant au dosage.

VALEURS DE CALIBRATION

Les concentrations et activit  s des constituants sont sp  cifi  es sur la fiche technique de chaque r  sultat. Les informations sur la tra  abilit   des valeurs sont indiqu  es dans la fiche de valeurs incluse dans le coffret.

Pour les utilisateurs du logiciel Selectra Touch Pro, utiliser les valeurs incluses dans le code barre disponible sur la fiche de valeurs.

English - EN

INTENDED USE

ELITech Clinical Systems ELICAL 2 is a multi-parametric calibrator for in vitro diagnostic use in the calibration of quantitative ELITech Clinical Systems methods.

DESCRIPTION

ELITICAL 2 is a lyophilized calibrator prepared from human serum. The concentrations and activities of the calibrator components have been adjusted to ensure optimal calibration of the clinical chemistry reagents.

MATERIALS REQUIRED BUT NOT PROVIDED

- General Laboratory equipment.

  WARNINGS AND PRECAUTIONS

- The calibrator is for professional in vitro diagnostic use only.
- The calibrator is prepared from human material tested by FDA or CE approved methods and found to be negative for HbsAg, anti-HCV antibody and anti-HIV1&2 antibodies. However as no test method can rule out the potential risk of infection with absolute certainty, handle cautiously as potentially infectious.
- Take normal precautions and adhere to good laboratory practice.
- Use clean or single use laboratory equipment only to avoid contaminations.
- For more information, Safety Data Sheet (SDS) is available on request for professional user.

WASTE MANAGEMENT

Disposal of all waste material should be in accordance with local and legal requirements.

PREPARATION

- Carefully open the vial, avoiding the loss of lyophilizate.
- Add in exactly 3 mL of distilled/deionized water.
- Carefully close the vial and dissolve the contents completely by occasional gentle swirling within 30 minutes.
- Do not shake to avoid the formation of foam.

PRODUCT DETERIORATION

The calibrator may present a slightly hazy appearance after reconstitution. This has no effect on the performances of the product. All presence of particles would indicate deterioration.

- Do not use the product if there is visible evidence of biological, chemical or physical deterioration.

DAMAGED PACKAGING

Do not use the calibrator if the damages of packaging might have an effect on the product performance (leakages).

STABILITY AND STORAGE

Prior to reconstitution :

- Stored at 2-8   C and protected from light.
- Do not use after expiration date indicated on the vial label.

After reconstitution :

- Stability of the components:
 Between 15 and 25   C : 8 hours
 Between 2 and 8   C : 2 days
 Between -25 and -15   C : 4 weeks (when frozen once)

Exceptions:

- Stability of direct bilirubin (when stored protected from light):
 Between 15 and 25   C : 3 hours
 Between 2 and 8   C : 8 hours
 Between -25 and -15   C : 2 weeks (when frozen once)

- Stability of total bilirubin (when stored protected from light):
 Between 15 and 25   C : 6 hours
 Between 2 and 8   C : 1 day
 Between -25 and -15   C : 2 weeks (When frozen once)

Note: Store vials tightly capped and protected from light.

PROCEDURE

To calibrate with ELICAL 2 follow the procedure described in the instructions for use of the corresponding reagent.

CALIBRATION VALUES

The concentrations and activities of the components are lot-specific. The information of traceability values are indicated in the data sheet enclosed in the kit.

For users with Selectra Touch Pro Software, use the values included in the barcode available on the value sheet.

Esp  ol - ES

USO PREVISTO

ELITech Clinical Systems ELICAL 2 es un calibrador multi-param  trico para el diagn  stico in vitro en la calibraci  n de los m  todos cuantitativos ELITech Clinical Systems.

CARACTER  STICAS

ELICAL 2 es un suero de calibraci  n liofilizado    base de suero humano. Las concentraciones y actividades se eligieron para garantizar una calibraci  n   ptima de los reactivos.

MATERIALES REQUERIDOS PERO NO INCLUIDOS

- Equipo de laboratorio de uso general.

  ATENCI  N Y PRECAUCIONES

- Este calibrador es solamente para uso profesional en el diagn  stico in vitro.
- El calibrador se prepara a partir de productos de origen humano examinados de acuerdo con m  todos aprobados por la FDA o CE y han resultado no reactivos para el ant  geno de superficie del virus de la Hepatitis B (AgHBs), para los anticuerpos anti-HCV (Hepatitis C) y para los anticuerpos anti-VIH1/VIH2. Sin embargo, se recomienda considerarlos como potencialmente infecciosos y manipularlos con precauci  n.
- Respetar las precauciones de uso y las buenas pr  cticas de laboratorio.
- Para evitar contaminaciones utilizar equipo nuevo o completamente limpio.
- Para m  s informaci  n, la ficha de datos de seguridad (FDS) est   disponible a solicitud para uso profesional.

TRATAMIENTO DE LOS RESIDUOS

Todos los materiales de desecho deben eliminarse seg  n los requisitos legales vigentes.

PREPARACI  N

- Destapar cuidadosamente el frasco con el fin de evitar la p  rdida de material liofilizado.
- Agregar exactamente 3 mL de agua destilada o de agua desionizada.

- Cerrar cuidadosamente el frasco. Mezclar suavemente por inversi  n realizando movimientos giratorios ocasionales durante 30 minutos hasta diluci  n completa.
- No agitar para evitar la formaci  n de espuma.

DETERIORACI  N DEL PRODUCTO

- El calibrador puede presentar un aspecto ligeramente turbio despu  s de reconstituci  n, esto no afecta el rendimiento del producto. La presencia de part  culas es un signo de deterioro.
- No utilizar el producto si este presenta signos evidentes de deterioraci  n biol  gica, qu  mica o f  sica.

EMBALAJE DETERIORADO

No utilizar el calibrador si los da  os al embalaje pudiesen tener un efecto sobre el rendimiento del producto (fugas).

ESTABILIDAD Y CONSERVACI  N

Antes de la reconstituci  n :

- Conservar a 2-8   C y protegidos de la luz.
- No utilizar despu  s de la fecha de caducidad indicada en la etiqueta del frasco.

Despu  s de reconstituci  n :

- Estabilidad de los componentes:
 Entre 15 y 25   C : 8 horas
 Entre 2 y 8   C : 2 d  as
 Entre -25 y -15   C : 4 semanas (no congelar m  s de una vez)

Excepciones:

- Estabilidad de la bilirrubina directa (proteger de la luz) :
 Entre 15 y 25   C : 3 horas
 Entre 2 y 8   C : 8 horas
 Entre -25 y -15   C : 2 semanas (no congelar m  s de una vez)

- Estabilidad de la bilirrubina total (proteger de la luz) :
 Entre 15 y 25   C : 6 horas
 Entre 2 y 8   C : 1 d  a
 Entre -25 y -15   C : 2 semanas (no congelar m  s de una vez)

Note : Conserver les flacons bien cerrados y protegidos de la luz.

PROCEDIMIENTO

Para calibrar con ELICAL 2, seguir la t  cnica descrita en la ficha t  cnica de cada reactivo.

VALORES DE CALIBRACION

Las concentraciones y actividades de los componentes son espec  ficas para cada lote de reactivos. La informaci  n de los valores de trazabilidad est   indicada en la ficha de valores incluida en el kit.

Para los usuarios del software Selectra Touch Pro, utilice los valores incluidos en el c  digo de barras disponible en la ficha de valores.

Portugu  s - PT

UTILIZA  O PREVISTA

ELITech Clinical Systems ELICAL 2    um calibrador multi-param  trico para uso diagn  stico in vitro na calibra  o de m  todos quantitativos ELITech Clinical Systems.

DESCRI  O

ELICAL 2    um soro de calibra  o liofilizado    base de soro humano. As concentra  es e atividades s  o escolhidas de modo a garantir uma calibra  o ideal dos reagentes.

MATERIAIS NECESS  RIOS MAS N   FORNECIDOS

- Equipamento geral de laborat  rio.

  AVISO E PRECAU  OES

- Este calibrador    destinado    uso profissional e somente para diagn  stico in vitro.
- O calibrador    preparado a partir de produtos de origem humana examinados atrav  s dos m  todos aprovados da FDA ou CE e que apresentaram um resultado negativo ao ant  geno de superf  cie do v  rus da Hepatite B (AgHBs), aos anticorpos anti-HCV (Hepatite C) e aos anticorpos anti-VIH1/VIH2. No entanto, recomenda-se que sejam considerados como potencialmente infecciosos e que sejam manuseados respeitando as precau  es de utiliza  o.
- Respeitar as precau  es de utiliza  o e as boas pr  ticas de laborat  rio.
- Utilizar material de laborat  rio limpo ou destinado a uma   nica utiliza  o de modo a evitar qualquer contamina  o.
- Para mais informa  es, a ficha de dados de seguran  a (FDS) est   dispon  vel mediante pedido para os profissionais.

TRATAMENTO DOS RES  DUOS

A elimina  o de todos os res  duos deve ser realizada em conformidade com a legisla  o em vigor.

PREPARA  O

- Abrir cuidadosamente o frasco, evitando a perda de p   liofilizado.
- Acrescentar exactamente 3 mL de   gua destilada ou desionizada.
- Voltar a fechar o frasco com cuidado. Dissolver o cont  do completamente atrav  s de rota  es sucessivas do frasco durante 30 minutos.
- N  o agitar, de modo a evitar a forma  o de espuma.

DETERIORA  O DO PRODUTO

- O calibra  o pode apresentar uma apar  ncia um pouco nebulosa ap  s a reconstitui  o. Isto n  o tem efeito sobre o desempenho do produto. A presen  a de part  culas indica deteriora  o.
- N  o use o produto se houver evid  ncia vis  vel de deteriora  o f  sica, biol  gica ou qu  mica.

EMBALAGENS DANIFICADAS

N  o utilizar o calibrador caso haja danos na embalagem que possam causar algum efeito sobre o desempenho do produto (vazamentos).

ESTABILIDADE E CONSERVA  O

Antes da reconstitui  o:

- Conservado a 2-8   C e ao abrigo da luz.
- N  o utilizar ap  s as datas de validade indicadas nos r  tulos dos frascos.

Ap  s a reconstitui  o:

- Estabilidade dos constituintes:
 Entre 15 e 25   C : 8 horas
 Entre 2 e 8   C : 2 dias
 Entre -25 e -15   C : 4 semanas (congelar apenas uma   nica vez)

Exce   es:

- Estabilidade da bilirrubina directa (a conservar ao abrigo da luz) :
 Entre 15 e 25   C : 3 horas
 Entre 2 e 8   C : 8 horas
 Entre -25 e -15   C : 2 semanas (congelar apenas uma   nica vez)

- Estabilidade da bilirrubina total (a conservar ao abrigo da luz) :
 Entre 15 e 25   C : 6 horas
 Entre 2 e 8   C : 1 dia
 Entre -25 e -15   C : 2 semanas (congelar apenas uma   nica vez)

Observa  o: Conservar os frascos bem fechados e ao abrigo da luz.

PROCEDIMENTO

Para calibrar com o ELICAL 2, seguir o modo operat  rio descrito na ficha t  cnica de cada reagente utilizado para a dosagem.

VALORES DE CALIBRA  O

As concentra  es e atividades dos constituintes s  o espec  ficas ao lote. A informa  o dos valores de rastreabilidade est  o indicados na folha de dados colocada no kit.

Os utilizadores do software Selectra Touch Pro, utilizam os valores incl  dos no c  digo de barras dispon  vel na folha de refer  ncia.

Ελλην  κ   - EL

ΠΡΟΒΛΕΠΟΜΕΝΗ ΧΡΗΣΗ

Το ELICAL 2 της ELITech Clinical Systems   ναι   νος πολυπαραμετρικ  ς βαθμονομ  ρης για in vitro διαγνωστική χρ  ση στην βαθμον  μηση ποσοτικών μεθ  δων της Elitech Clinical Systems.

ΠΕΡΙΓΡΑΦΗ

Το ELICAL 2   ναι λυοφιλοποιημ  νος βαθμονομ  ρης που προ  κειται απ   ανθρωπ  τινο   ρ  . Οι συγκεντρ  σεις και οι ενεργ  τητες των συστατικών του βαθμονομ  ρης   χουν ρυθμιστεί   στε να εξασφαλ  ζουν τη β  λτιστη βαθμον  μηση των αντιδραστηρίων κλινικής χ  μης.

ΥΛΙΚΑ ΠΟΥ ΑΠΑΙΤΟΥΝΤΑΙ ΑΛΛΑ ΔΕΝ ΠΑΡΕΧΟΝΤΑΙ ΣΤΟ ΚΙΤ

- Γενικός Εργαστηριακός Εξοπλισμός

  ΠΡΟΕΙΔΟΠΟΙΗΣΕΙΣ ΚΑΙ ΠΡΟΣΟΧΗ

- Ο βαθμονομ  ρης   ναι μ  να για επαγγελματική χρ  ση in vitro.
- Ο βαθμονομ  ρης παρασκευ  ζεται απ   ανθρωπ  τινο υλικ   ελεγμένο με εκτεν  μενες μεθ  δους FDA    CE και   χει βρεθεί αρνητικός για HbsAg, αντίσωμα anti-HCV και αντίσωμα anti-HIV1&2. Εντούτοις, καθώς κ  ρη μεθ  δος   λγχου δεν μπορεί να αποκλείσει πιθαν   κ  νδυνο επι  λυνσης με απ  λυτη βεβαι  τητα, χρ  σιμοποι  τε τους με π  σφαση   ς πιθαν   επι  λογο  μενους.
- Α  τεις συνθήκες προ  βλεπ  ται    εφαρμο  ς καλή εργαστηριακή πρακτική.
- Χρησιμοποι  στε μ  νο κατ  θε    μ  ς χρ  σης εργαστηριακή σκευή για την αποφυγή επι  λογων.
- Για περισσότερες πληροφορίες, υπ  ρχουν δια  ματα τα Δελτία Δεδομένων Ασφάλειας Υλικ   (SDS) κατ  ν απ  τητος απ   τους επαγγελματίες χρήστες.

ΔΙΑΧΕΙΡΙΣΗ ΑΠΟΒΑΤΩΝ

Η απορ  ψη των αποβ  των θα πρέπει να γίνεται σύμφωνα με τους τοπικούς κανονισμούς.

ΠΡΟΕΤΟΙΜΑΣΙΑ

- Ανοίξτε προσεκτικά το φιαλίδιο, αποφε  γοντας την ρ  σπαση της ανακλυμ  νης σ  δας.
- Προσθε  στε ακριβ  ς 3 mL αποστειρωμ  ντου ισοτονικού νερού.
- Κλείστε προσεκτικά το φιαλίδιο και διακ  στε εντ  ς της περιεχ  μενου με περιστροφικές   πες περιστροφικές κ  νσεις εντ  ς 30 λεπτ  .
- Μην ανακιν  τε για αποφυγή σχηματισμού αφ  ου.

ΚΑΤΑΣΤΡΟΦΗ ΑΝΤΙΔΡΑΣΤΗΡΙΟΥ

- Μερ   την αν  σταση : Ο βαθμονομ  ρης μπορεί να παρουσι  ζει μ   ελαφ  ρ θολή   μφανση. Αυτή δεν   χει καμία   πδραση στην απ  δοση του π  ρ  τος. Η π  ρ  ση μερ  των μπορεί να υποδεικν  ει καταστροφή.

- Μην χρησιμοποι  τε το π  ρ  ν   αν υπ  ρχει εμφανής   νδαξη βιολογικής, χ  μικής    φυσικής καταστροφ  ς.

ΚΑΤΕΣΤΑΜΜΕΝΗ ΣΥΣΚΕΥΑΣΙΑ

Μην χρησιμοποι  τε το βαθμονομ  ρη,   ν η καταστραμ  νη συσκευασία   χει   πδραση στην απ  δοση του π  ρ  τος (διαρ  ες).



ΣΤΑΘΕΡΟΤΗΤΑ ΚΑΙ ΑΠΟΘΗΚΕΥΣΗ

Πριν την ανασύσταση:

- Αποθήκευση στους 2-8o C μακριά από το φως
- Να μην χρησιμοποιείται πέραν των ημερομηνιών λήξης που αναγράφονται στις ετικέτες των φιαλίδων.

Μετά την ανασύσταση:

- Σταθερότητα των συστατικών:
Στους 15 έως 25o C : 6 ώρες
Στους 2 έως 8o C : 2 ημέρες
Στους -25 έως -15o C : 4 εβδομάδες (μία φορά κατάμυξη)

Εξαιρέσεις:

- Σταθερότητα άμεσης χολερυθρίνης (όταν αποθηκεύεται μακριά από φως)
Στους 15 έως 25o C : 3 ώρες
Στους 2 έως 8o C : 8 ώρες
Στους -25 έως -15o C : 2 εβδομάδες (μία φορά κατάμυξη)
- Σταθερότητα ολικής χολερυθρίνης (όταν αποθηκεύεται μακριά από φως)
Στους 15 έως 25o C : 6 ώρες
Στους 2 έως 8o C : 1 ημέρα
Στους -25 έως -15o C : 2 εβδομάδες (μία φορά κατάμυξη)

Σημείωση: Αποθηκεύστε τα φιαλίδια ερμητικά, πυμαισμένα και προστατευμένα από το φως όταν δε χρησιμοποιούνται.

ΔΙΑΔΙΚΑΣΙΑ

Για τη βαθμονόμηση με το ELICAL 2, ακολουθήστε τη διαδικασία που περιγράφεται στις οδηγίες που συνοδεύουν το κάθε αντιδραστήριο.

ΤΙΜΕΣ ΒΑΘΜΟΝΟΜΗΣΗΣ

Οι συγκεντρώσεις και οι ενεργότητες των συστατικών εξαρτώνται από την ποσότητα (Lot). Οι πληροφορίες των τιμών ανηλυσισιότητας υποδεικνύονται στο εσωκλειστό δελτίο δεδομένων. Οι χρήστες του προγράμματος Selectia Touch Pro πρέπει να χρησιμοποιήσουν τις τιμές που περιέχονται στο γραμμάτιο κωδικού που είναι διαθέσιμος στο φύλλο τιμών.

SYMBOLES UTILISES SUR LES ETIQUETTES SYMBOLS USED ON LABELS SIMBOLOS USADOS EN LA ETIQUETA SIMBOLOS UTILIZADOS NOS RÓTULOS ΣΥΜΒΟΛΑ ΠΟΥ ΧΡΗΣΙΜΟΠΟΙΟΥΝΤΑΙ ΣΤΙΣ ΕΤΙΚΕΤΕΣ

	Numéro de lot / Lot Number / Número de lote / Número de lote / Αριθμός Ποσότητας
	Consulter la notice d'utilisation/Consult instruction for use/ Consulte el manual / Consultar o manual de instruções / Συμβουλευτείτε τις οδηγίες χρήσης
	Dispositif médical de diagnostic/ in vitro / In vitro diagnostic medical device / Dispositivo médico para diagnóstico in vitro / Dispositivo médico de diagnós- tico in vitro / Ιατρική συσκευή διάγνωσης in vitro
	Adresse du fabricant / Manufacturer's address / Dirección del fabricante / Endereço do fabricante / Διεύθυνση κατασκευαστή
	Limites de température / Temperature limitation / Límites de temperatura / Limites de temperatura / Περιορισμοί θερμοκρασίας
	Date d'expiration / Expiration date / Fecha de cadu- dad / Prazo de validade / Ημερομηνία λήξης
	Numéro de catalogue / Catalogue number / Número de catálogo / Número de catálogo / Αριθμός καταλόγου
	Contenu / Content / Contiene/ Contenido / περιεχόμενο
	Calibrant / Calibrator / Calibrador / Calibrador / Βαθμονομητής
	Reconstituer avec x mL / Reconstitute with x mL / / Reconstituir con x mL / Reconstituir com x mL / Ανασύσταση με x mL
	Conformité Européenne / European Conformity / Conformidad Europea / Conformidade Europeia / Ευρωπαϊκή Συμμόρφωση



Medica Corporation
5 Oak Park Drive
Bedford, Massachusetts 01730
Tel 781 275 4892
Fax 781 275 2731
www.mediacorp.com

AUTHORIZATION LETTER

TO WHOM IT MAY CONCERN:

MEDICA CORPORATION, having facilities at 5 Oak Park Drive, Bedford, MA 01730, USA, do hereby authorize the company:

GBG-MLD SRL
65 Tighina Site
Office 607
Chisinau, MD-2001
Republic of Moldova

to be our **DISTRIBUTOR** for the **EasyLyte®**, **EasyElectrolytes™**, **EasyBloodGas™** and **EasyStat®** analyzers as well as associated reagents and consumables in **Moldova**.

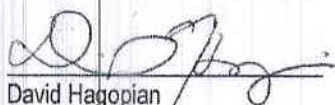
GBG-MLD SRL is authorized by **MEDICA CORPORATION** to enter tenders and quote for all aforementioned products.

GBG-MLD SRL is authorized by **MEDICA CORPORATION** to present offers on our behalf to tenders placed by the government and other institutions for Medica products and consumables

GBG-MLD SRL responsibilities include sales of the **EasyLyte®**, **EasyElectrolytes™**, **EasyBloodGas™** and **EasyStat®** analyzers and providing service as well as maintaining a supply of reagents and replacement parts.

GBG-MLD SRL is also authorized to provide warranty service for the Medica **EasyLyte®**, **EasyElectrolytes™**, **EasyBloodGas™** and **EasyStat®** analyzers.

This authorization is effective immediately and is valid until December 31, 2022, unless revoked earlier in writing by Medica Corporation.


David Hagopian
VP, Sales & Marketing
MEDICA CORPORATION

2/4/2020
Date





Medica Corporation
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Bedford, Massachusetts 01730
Tel: 781 275 4892
Fax: 781 275 2731
www.medicacorp.com

Declaration of Conformity

Product Name:

EasyLyte and accessories per attachment

Model/Type:

EasyLyte Na/K, Na/K/Cl, Na/K/Li, Na/K/Cl/Li,
Na/K/Ca/pH, Na/K/Cl/Ca/Li
EasyElectrolytes Na/K/Cl, Na/K/Li

Manufacturer

Medica Corporation
5 Oak Park Drive, Bedford, Massachusetts, 01730, USA

Representative

EC REP Emurgo Europe, Prinsessegracht 20,
2514 AP The Hague, The Netherlands
Tel: +31 70 345 8570
Fax: +31 70 346 7299

Means of Conformity

Medica Corporation declares that the products listed are covered by Annex III of Directive 98/79/EC. These products are self-certified since they are for professional use only and are not listed on Annex II, List A or Annex II, List B of Directive 98/79/EC. In addition, they are in conformity with the Annex I, "Essential Requirements" and provisions of council Directive 98/79/EC for In-Vitro Diagnostic Medical Devices; Directive 2011/65/EU Restriction of Hazardous Substance in Electrical and Electronic Equipment, and the corresponding national laws of the Member States.

Place and Date: Bedford, Massachusetts, USA, September 27, 2018

Signature:

Name: Photios Makris, Ph.D.
Title: VP, Regulatory Affairs

EasyLyte Accessories		
Catalog No.	Accessory	EDMA Code
2004	EasyLyte Na/K Analyzer	21 07 11 02
2014	EasyLyte Plus Na/K/Cl Analyzer	21 07 11 02
2015	EasyLyte Lithium Na/K/Li Analyzer	21 07 11 02
2016	EasyLyte Calcium Na/K/Ca/pH Analyzer	21 07 11 02
2021	EasyLyte Na/K/Cl/Li Analyzer	21 07 11 02
2030	EasyLyte EXPAND Analyzer, Na/K/Cl/Ca-Li	21 07 11 02
2070	EasyLyte EasySampler	21 07 11 02
2101	EasyLyte K+ Electrode	11 04 01 06
2102	EasyLyte Na+ Electrode	11 04 01 07
2113	EasyLyte Cl- Electrode	11 04 01 03
2106	EasyLyte Li+ Electrode	11 04 01 04
2150	EasyLyte Ca++ Electrode	11 04 01 02
2151	EasyLyte pH Electrode	11 70 31 02
2152	EasyLyte Disposable Reference Electrode	11 04 04 01
2103	EasyLyte Reference Electrode	11 04 04 01
2258	EasyLyte Membrane Assembly	21 07 11 02
2120	EasyLyte Na/K 800 ml Solutions Pack	11 04 04 02
2121	EasyLyte Na/K/Cl 800mL Solutions Pack	11 04 04 02
2122	EasyLyte Na/K/Li 800mL Solutions Pack	11 04 04 02
2123	EasyLyte Na/K/Ca/pH 800mL Solutions Pack	11 04 04 02
2028	EasyLyte Na/K/Cl/Li 400mL Solution Pack	11 04 04 02
2109	EasyLyte Na/K 400mL Solutions Pack	11 04 04 02
2112	EasyLyte Na/K/Cl 400mL Solutions Pack	11 04 04 02
2115	EasyLyte Na/K/Li 400mL Solutions Pack	11 04 04 02
2114	EasyLyte Na/K/Ca/pH 400mL Solutions Pack	11 04 04 02
2026	EasyLyte Na/K/Cl/Li 800mL Solution Pack	11 04 04 02
2124	EasyLyte Na/K/Cl/Ca-Li 800mL Solutions Pack	11 04 04 02
2814	EasyQC Bi-Level Quality Control Kit	11 50 02 04
2815	EasyQC Tri-Level Quality Control Kit	11 50 02 04
2843	EasyLyte Quality Control Sample Cups (60)	21 07 11 02
2118	Daily Cleaning Solution Kit	11 01 01 27
2598	EasyLyte Daily Cleaner Cup	21 07 11 02
2108	EasyLyte Solutions Valve	21 07 11 02
2107	EasyLyte Sample Probe	21 07 11 02
2257	EasyLyte Sample Detector	21 07 11 02

EasyLyte Accessories, continued			Catalog No.	Accessory	EDMA Code	EDMA Code
			4002	EasyElectrolyte Na/K/Cl Analyzer		21 07 11 02
			4003	EasyElectrolyte Na/K/Li Analyzer		21 07 11 02
			4102	Reagent Module, Na/K/Cl		11 04 04 02
			4103	Reagent Module, Na/K/Li		11 04 04 02
			7205	EasyElectrolyte/EasyStat Na+ Electrode		11 04 01 07
			7206	EasyElectrolyte/EasyStat K+ Electrode		11 04 01 06
			4203	EasyElectrolyte Cl- Electrode		11 04 01 03
			4204	EasyElectrolyte Li+ Electrode		11 04 01 04
			6204	EasyElectrolyte/EasyStat/EasyBloodGas Reference Electrode		11 04 04 01
			4207	EasyElectrolyte Spacer Electrode		11 04 01 90
			4301	EasyElectrolyte Troubleshooting Kit		21 07 11 02
			2118	Daily Cleaning Solution Kit		11 01 01 27
			4402	EasyStat/EasyBloodGas/EasyElectrolyte Red Test Dye Solution		11 30 01 11
			4403	EasyElectrolyte Urine Diluent		11 04 04 90
			2814	Bi-Level Quality Control Kit		11 50 02 04
			2815	Tri-Level Quality Control Kit		11 50 02 04
			4405	EasyElectrolyte Na/K/Cl Demonstration Kit		21 07 11 02
			4406	EasyElectrolyte Na/K/Li Demonstration Kit		21 07 11 02
			4404	EasyElectrolyte Capillary Tube Kit		21 07 11 02
			4306	EasyElectrolyte Sampler		21 07 11 02
			6504	EasyBloodGas/EasyElectrolyte Pump Tube		21 07 11 02
			6505	EasyStat/EasyBloodGas/EasyElectrolyte Printer Paper		21 07 11 02
			4506	EasyElectrolyte Sensor Module		21 07 11 02
			4507	EasyElectrolyte Valve Module		21 07 11 02
			4508	EasyStat/EasyBloodGas/EasyElectrolyte Compression Plate		21 07 11 02
			7302	Probe Wipers		21 07 11 02
			4522	EasyElectrolyte Daily Cleaner Sample Cups		21 07 11 02
			4539	EasyElectrolyte Sensor Module, Li+		21 07 11 02
			6537	EasyElectrolyte/EasyStat/EasyBloodGas Serial Cable, 9-pin		21 07 11 02
			6520	EasyElectrolyte/EasyStat/EasyBloodGas Barcode Reader Kit		21 07 11 02

CERTIFICATE OF REGISTRATION

This is to certify that the quality management system of:

Medica Corporation

Main Site: 5 Oak Park Drive

Bedford, Massachusetts 01730 United States

has been assessed by Intertek as conforming to the requirements of:

ISO 13485:2016

The quality management system is applicable to:

The Design, Development, Manufacture, Service, Distribution of in-vitro diagnostic medical devices, in-vitro diagnostic test kits, in-vitro diagnostic reagents, in-vitro diagnostic analyzers/software used in the diagnosis and management of cancer, immune status, disease status, autoimmune status, cardiac markers, protein metabolism, endocrine disorders, blood analytes, urinalysis, blood gases.

Certificate Number:

0082581-01

Initial Certification Date:

2009-04-17

Certificate Issue Date:

2019-01-01

Certificate Expiry Date:

2021-04-16



A handwritten signature in black ink, appearing to read 'Calin Moldovean'.

Calin Moldovean

President

Intertek Testing Services NA Ltd.,
1829, 32nd avenue, Lachine, QC, H8T 3J1,
Canada



EasyLyte EasyBloodGas EasyStat

Training Certificate

This is to certify that

Seaver, Sergio
Of Global Biomedical Corp

has completed training for the operation and service of the
EasyLyte, EasyBloodGas, and EasyStat analyzers.

MEDICA

Date November 25, 2004



Randall Rollins
Signed: Randall Rollins
Technical Service Manager

Declaration of Conformity

helena
Biosciences Europe

HL-7-0664DC DOI 2015/08 (1)

In Application of the Council Directive 98/79/EC on the approximation of the laws of the Member States relating to *In Vitro* Diagnostic Medical Devices & CE marking.

Declaration of conformance to applicable sections of Annex I - Essential Requirements and Annex III (EC Declaration of Conformity) imposed by sections 2 to 5. The below listed products are not classified under Annex II Lists A or B. Access to the appropriate technical files will be made available to the appropriate body in the event this is required.

Product Code	Description	GMDN Classification Code
5267L	Thromboplastin L	55983

I, the undersigned declare that the devices registered against the above GMDN Classification Code conforms to the said Directives.

Full Name: M.J. Stephenson

Title: Managing Director

Signed:



Date: 06 Aug 2015

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United Kingdom

Declaration of Conformity

helena
Biosciences Europe

HL-7-0135DC DOI 2015/07 (7)

In Application of the Council Directive 98/79/EC on the approximation of the laws of the Member States relating to *In Vitro* Diagnostic Medical Devices & CE marking.

Declaration of conformance to applicable sections of Annex I - Essential Requirements and Annex III (EC Declaration of Conformity) imposed by sections 2 to 5. The below listed products are not classified under Annex II Lists A or B. Access to the appropriate technical files will be made available to the appropriate body in the event this is required.

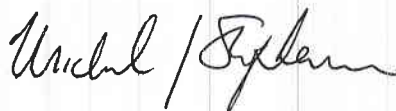
Product Code	Description	GMDN Classification Code
5183	Routine Control SA	30590

I, the undersigned declare that the devices registered against the above GMDN Classification Code conforms to the said Directives.

Full Name: M.J. Stephenson

Title: Managing Director

Signed:



Date: 28 Jul 2015

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United Kingdom

Declaration of Conformity

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Biosciences Europe

HL-7-0137DC DOI 2015/07 (7)

In Application of the Council Directive 98/79/EC on the approximation of the laws of the Member States relating to *In Vitro* Diagnostic Medical Devices & CE marking.

Declaration of conformance to applicable sections of Annex I - Essential Requirements and Annex III (EC Declaration of Conformity) imposed by sections 2 to 5. The below listed products are not classified under Annex II Lists A or B. Access to the appropriate technical files will be made available to the appropriate body in the event this is required.

Product Code	Description	GMDN Classification Code
5186	Routine Control N	30590

I, the undersigned declare that the devices registered against the above GMDN Classification Code conforms to the said Directives.

Full Name: M.J. Stephenson

Title: Managing Director

Signed:



Date: 28 Jul 2015

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Declaration of Conformity

helena
Biosciences Europe

HL-7-0512DC DOI 2015/08 (5)

In Application of the Council Directive 98/79/EC on the approximation of the laws of the Member States relating to *In Vitro* Diagnostic Medical Devices & CE marking.

Declaration of conformance to applicable sections of Annex I - Essential Requirements and Annex III (EC Declaration of Conformity) imposed by sections 2 to 5. The below listed products are not classified under Annex II Lists A or B. Access to the appropriate technical files will be made available to the appropriate body in the event this is required.

Product Code	Description	GMDN Classification Code
5556	Clauss Fibrinogen 50	55997

I, the undersigned declare that the devices registered against the above GMDN Classification Code conforms to the said Directives.

Full Name: M.J. Stephenson

Title: Managing Director

Signed



Date: 12 Aug 2015

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United Kingdom

Clauss Fibrinogen 50

REF 5556
REF 5556H



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HL-2-1771P 2012/03 (7)

Clause Fibrinogen 50 Instructions for use

INTENDED USE
For the quantitative determination of fibrinogen, based on the Clauss method, in human citrated plasma on Helena Biosciences Europe AC-4, C-1, C-2, C-4 Coagulation Systems.

Clauss Fibrinogen 50 is intended for the quantitative determination of fibrinogen in human plasma. Clauss' developed a simple method for the quantitative determination of fibrinogen by measuring the clotting time of citrated plasma after the addition of Thrombin (500 NIH units/mL). This clot time is proportional to the fibrinogen concentration. Levels of fibrinogen can increase as a result of inflammation, pregnancy or oral contraceptive use. Decreased levels can be found in certain states such as liver disease and DIC. Congenital deficiencies include afibrinogenemia (no detectable fibrinogen), hypofibrinogenemia (<1 mg/mL), and dysfibrinogenemia (abnormal fibrinogen molecule).

WARNINGS AND PRECAUTIONS

The reagents contained in this kit are for *in vitro* diagnostic use only - DO NOT INGEST. Wear gloves when handling all kit components. Refer to the product safety data sheets for risk and safety phrases and disposal information. Plasma products have been screened and found negative (unless otherwise stated on the kit box or vial) for the presence of Hepatitis B Antigen (HBsAg), HIV-1 and 2 antibody and HCV antibody, however they should be handled with the same precaution as a human plasma sample.

COMPOSITION

Component	Content	Description	Preparation
Thrombin 50 NIH/mL	5 x 4 mL (REF 5556) 5 x 2 mL (REF 5556H)	Contains approximately 200 (REF 5556) / 100 (REF 5556H) units bovine Thrombin with stabilisers.	Reconstitute each vial with: 4 mL (REF 5556) 2 mL (REF 5556H) of distilled water. Take care when pipetting to avoid contamination. Swirl gently and allow to stand for 15 minutes. Mix well immediately before use. Do not shake.
Fibrinogen Calibrator	2 x 1 mL (REF 5556) 1 x 1 mL (REF 5556H)	Contains 1 mL of lyophilized normal human plasma assayed for fibrinogen levels.	Reconstitute each vial with exactly 1 mL of distilled water. Swirl gently and allow to stand for 10 minutes. Mix gently before use. Do not shake.
Owren's Buffer	2 x 25 mL (REF 5556) 1 x 25 mL (REF 5556H)	Contains 25 mL of buffer which contains butyrol and sodium chloride as preservative.	The buffer is ready for use as packaged.

Each kit contains instructions for use.
Each kit contains kit specific reference values inset.

ITEMS REQUIRED BUT NOT PROVIDED

Refer to the Instrument Operator Manual and/or application reagents contained in this kit are also available as separate items.
REF 5374 Clauss Fibrinogen (Thrombin only)
REF 5378 Clauss Fibrinogen (Thrombin only)
REF 5379 Fibrinogen Calibrator
REF 5375 Owren's Buffer

STORAGE AND STABILITY

Unopened vials are stable until the given expiry date when stored under conditions indicated on the vial or kit label.
Thrombin 50 NIH/mL Once reconstituted, the reagent is stable for 8 hours at 15 - 30°C, 1 week at 2 - 8°C or 1 month at -20°C.
Fibrinogen Calibrator Once reconstituted, the reagent is stable for 4 hours at 2 - 8°C.
Owren's Buffer Store at 2 - 8°C once opened.

SAMPLE COLLECTION AND PREPARATION

Paste or siliconized glass should be used throughout. Blood (10 parts) should be collected into 3.2% or 3.8% sodium citrate anticoagulant (1 part). Separate plasma after centrifugation at 1500 x g for 10 minutes. Plasma should be kept at 2 - 8°C or 18 - 24°C. Testing should be completed within 4 hours of sample collection, or plasma can be stored frozen at -20°C for 2 weeks or -70°C for 6 months. Thaw quickly at 37°C prior to testing. Do not keep at 37°C for more than 5 minutes.

PROCEDURE

Refer to the appropriate Instrument Operator Manual for detailed instructions or contact Helena Biosciences Europe for instrument specific application guides.

INTERPRETATION OF RESULTS

Expected values for fibrinogen in healthy adults are 150-350 mg/dL (1.5-3.5 g/L).

LIMITATIONS

Hepatic levels >0.6 units/mL, and fibrinolytic degradation products >100 mg/mL may cause falsely low fibrinogen quantitation. If values fall outside the standard curve values for the patient samples, to assay using an appropriate dilution to bring values into the standard range.

QUALITY CONTROL

Each laboratory should establish a quality control program. Normal and abnormal control plasmas should be tested prior to each batch of patient samples, to ensure satisfactory instrument and operator performance. If controls do not perform as expected, patient results should be considered invalid. Helena Biosciences Europe supply the following controls available for use with this product:

REF 5301	Specialty Assayed Control N
REF 5302	Specialty Assayed Control A
REF 5166	Routine Control N
REF 5167	Routine Control A
REF 5163	Routine Control SA

REFERENCE VALUES

Reference values can vary between laboratories depending on the techniques and systems in use. For this reason each laboratory should establish its own normal range.

PERFORMANCE CHARACTERISTICS

Helena Biosciences Europe or their representatives have determined the following performance characteristics as a guideline. Each laboratory should establish its own performance data. The Clauss Fibrinogen assay is designed to give a linear calibration from 1.5 - 6.5 g/L.

Reproducibility			Inter-assay precision		
Intra-assay precision			Inter-assay precision		
Fibrinogen (g/L)	n	CV (%)	Fibrinogen (g/L)	n	CV (%)
1.24	5	4.88	1.02	10	6.17
3.01	5	3.58	3.62	10	3.75

REFERENCES

- Clauss A (1957) Gerinnungsphysiologische Schnellmethode zur Bestimmung des Fibrinogens, *Acta Haematol*, 17:237-240
- Shaw TS (1977) Assays for Fibrinogen and its Derivatives CRC, *Crit. Rev. Clin. Lab. Sci.* 8:145-182
- Clinical and Laboratory Standards Institute (2008) Collection, Transport and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Haemostasis Assays: Approved Guideline, 5th edn. CLSI H21-A5
- Scully RE et al. (1980) Normal Reference Laboratory Values, *New England Journal Medicine*, 302(37):37-48
- Okuno T, Sekirno V (1972) Plasma fibrinogen determination by automated thrombin time, *American Journal of Medical Technology*, 36(9):199-201

Clauss Fibrinogen 50 Fiche technique

fr

UTILISATION

Sert à la détermination quantitative du fibrinogène, selon la méthode de Clauss, dans le plasma humain citraté avec les analyseurs de coagulation Helena Biosciences Europe AC-4, C-1, C-2, C-4.

Le kit de Fibrinogène Clauss 50 est utilisé pour la détermination quantitative du fibrinogène dans le plasma humain. Clauss a développé une méthode simple de détermination quantitative du fibrinogène en mesurant le temps de coagulation de plasma dilué après l'ajout de Thrombine (500 unités NIH/mL). Ce temps de coagulation est proportionnel à la concentration en fibrinogène. Le taux de fibrinogène peut augmenter en raison d'une inflammation, d'une grossesse ou de la prise de contraceptifs oraux. Des taux diminués sont trouvés dans certaines pathologies comme une maladie du foie ou une CIVD. L'afibrinogénémie (taux de fibrinogène détectable), l'hypofibrinogénémie (<1 mg/mL) et la dysfibrinogénémie (molécule de fibrinogène anormale) sont des anomalies congénitales.

AVERTISSEMENTS ET PRÉCAUTIONS

Les réactifs du kit sont à usage diagnostique *in vitro* uniquement - NE PAS INGÉRER. Porter des gants lors de la manipulation de tous les composants. Se reporter aux fiches de sécurité des composants du kit pour la manipulation et l'élimination. Un déplaçage des produits à base de plasma a été réalisé et a donné un résultat négatif (sauf indication contraire sur le bote du kit ou sur le flacon) pour les antigènes de l'hépatite B (AgHBs), les anticorps anti HIV 1 et 2 et les anticorps anti HCV; il est malgré tout nécessaire de les manipuler avec les mêmes précautions que pour les échantillons de plasma humain.

COMPOSITION

Composant	Contient	Description	Préparation
Thrombin 50 NIH/mL	5 x 4 mL (REF 5556) 5 x 2 mL (REF 5556H)	Chaque flacon contient environ 200 (REF 5556) / 100 (REF 5556H) unités de Thrombine bovine additionnée de stabilisateurs.	Reconstituer chaque flacon avec: 4 mL (REF 5556) 2 mL (REF 5556H) d'eau déaérée. Faire attention lors du pipetage pour éviter toute contamination. Remuer doucement et laisser reposer 15 minutes. Bien mélanger juste avant utilisation. Ne pas agiter.
Fibrinogène Calibrateur	2 x 1 mL (REF 5556) 1 x 1 mL (REF 5556H)	Chaque flacon contient 1 mL de plasma humain normal lyophilisé, dosé pour les taux de fibrinogène.	Reconstituer chaque flacon avec exactement 1,0 mL d'eau déaérée. Remuer doucement et laisser reposer 10 minutes. Mélanger doucement avant utilisation. Ne pas agiter.
Owren's Buffer	2 x 25 mL (REF 5556) 1 x 25 mL (REF 5556H)	Chaque flacon contient 25 mL de lampion contenant du butyrol et du chlorure de sodium additionné d'azote de sodium comme conservateur.	Le lampion est prêt à l'emploi.

Chaque kit contient une fiche technique.

Chaque kit contient valeurs de référence spécifiques du kit.

MATÉRIELS NÉCESSAIRES NON FOURNIS

Se référer au manuel d'utilisation de l'instrument et/ou aux notes d'application pour avoir des instructions appropriées. Les réactifs du kit sont aussi disponibles séparément:

REF 5374	Clauss Fibrinogen (Thrombin only)
REF 5378	Clauss Fibrinogen (Thrombin only)
REF 5379	Fibrinogen Calibrator
REF 5375	Owren's Buffer

CONSERVATION ET STABILITÉ

Les flacons non ouverts sont stables jusqu'à la date de péremption indiquée s'ils sont conservés dans les conditions indiquées sur l'étiquette du kit ou du flacon.

Thrombin 50 NIH/mL Une fois reconstitué, le réactif est stable à heures à température ambiante, 1 semaine entre 2 - 8°C ou 1 mois à -20°C.

Fibrinogène Calibrateur Une fois reconstitué, le réactif est stable 4 heures entre 2 - 8°C.

Owren's Buffer Conserver entre 2 - 8°C une fois ouvert.

PRÉLÈVEMENTS DES ÉCHANTILLONS

Utiliser tout au long du prélèvement du plasma qui du verre siliconé. Mélanger 9 volumes de sang et 1 volume de citrate de sodium à 3,2% ou 3,8%. Séparer le plasma après centrifugation à 1500 x g pendant 15 minutes. Conserver le plasma entre 2 - 8°C ou 18 - 24°C. L'analyse doit être terminée dans les 4 heures suivant le prélèvement de l'échantillon; sinon, il est possible de congeler le plasma 2 semaines à -20°C ou 6 mois à -70°C. Décongeler rapidement à 37°C avant de réaliser l'analyse. Ne pas laisser à 37°C plus de 5 minutes.

PROCÉDURE

Consulter le manuel d'utilisation de l'instrument approprié pour obtenir des instructions détaillées ou contacter Helena Biosciences Europe pour obtenir des notes d'application spécifiques à l'instrument.

INTERPRÉTATION DES RÉSULTATS

Le taux prévu de fibrinogène chez un adulte sain est de 150-350 mg/dL (1.5-3.5 g/L).

LIMITES

Des taux d'héparine >0.6 unités/mL et de produits de dégradation fibrinolytique >100 mg/mL peuvent donner une quantification du fibrinogène erronément basse. Si les valeurs de l'héparine patient se situent hors des valeurs de la courbe d'étalonnage, réaliser à nouveau l'analyse en utilisant la dilution appropriée pour les amener dans la plage de l'étalon.

CONTRÔLE QUALITÉ

Chaque laboratoire doit établir un programme de contrôle qualité. Les plasmas de contrôle, normaux et anormaux, doivent être testés avant chaque lot d'échantillons patients afin de s'assurer que l'instrument et l'opérateur offrent des performances satisfaisantes. Si les contrôles ne donnent pas les résultats prévus, les résultats du patient doivent être considérés comme non valides. Helena Biosciences Europe distribue les contrôles suivants à utiliser avec ce produit:

REF 5301	Specialty Assayed Control N
REF 5302	Specialty Assayed Control A
REF 5166	Routine Control N
REF 5167	Routine Control A
REF 5163	Routine Control SA

VALEURS DE RÉFÉRENCE

Les valeurs de référence peuvent varier d'un laboratoire à l'autre suivant les techniques et les systèmes utilisés. C'est pour cette raison qu'il appartient à chaque laboratoire de déterminer sa propre plage normale.

PERFORMANCES

Helena Biosciences Europe ou ses représentants ont déterminé à titre indicatif les performances suivantes. Chaque laboratoire doit établir ses propres données de performance. Le dosage du fibrinogène est conçu pour donner un étalonnage linéaire sur la plage 1.5 - 6.5 g/L.

Reproductibilité			Précision inter-séries		
Précision intra-série			Précision inter-séries		
Fibrinogène (g/L)	n	CV (%)	Fibrinogène (g/L)	n	CV (%)
1.24	5	4.88	1.02	10	6.17
3.01	5	3.58	3.62	10	3.75

REFERENCES

- Clauss A (1957) Gerinnungsphysiologische Schnellmethode zur Bestimmung des Fibrinogens, *Acta Haematol*, 17:237-240
- Shaw TS (1977) Assays for Fibrinogen and its Derivatives CRC, *Crit. Rev. Clin. Lab. Sci.* 8:145-182
- Clinical and Laboratory Standards Institute (2008) Collection, Transport and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Haemostasis Assays: Approved Guideline, 5th edn. CLSI H21-A5
- Scully RE et al. (1980) Normal Reference Laboratory Values, *New England Journal Medicine*, 302(37):37-48
- Okuno T, Sekirno V (1972) Plasma fibrinogen determination by automated thrombin time, *American Journal of Medical Technology*, 36(9):199-201

Clauss Fibrinogen 50 Anleitung

de

ANWENDUNGSBEREICH

Für die quantitative Bestimmung von Fibrinogen nach der Methode nach Clauss im menschlichen Citratplasma auf den Helena Biosciences Europe AC-4, C-1, C-2, C-4 Coagulationssystemen. Das Clauss Fibrinogen 50 dient der quantitativen Bestimmung von Fibrinogen eine einfache Methode, bei der die Schmelzzeit zur quantitativen Bestimmung von Fibrinogen aus einem Citratplasma nach Zugabe von Thrombin gemessen wird (>300 NIH Einheiten/mL). Diese Schmelzzeit ist proportional zur Fibrinogenkonzentration. Der Fibrinogengehalt im Citratplasma kann durch Entzündung, Schwangerschaft oder Einnahme von oralen Verhütungsmitteln erhöht sein. Vermindert wird es durch Lebererkrankung und Verbrauchskoagulopathie. Angeborene Mangelzustände sind afibrinogenemie, hypofibrinogenemie (wenig nachweisbares Fibrinogen), Hypofibrinogenämie (<1 mg/mL) und Dysfibrinogenämie (abnormes Fibrinogenmolekül).

WARNHINWEISE UND VORSICHTSMASSNAHMEN

Die Reagenzien dieses Kits sind nur zur *in vitro* Diagnostik bestimmt - NICHT ENNEHMEN. Beim Umgang mit den Kit-Komponenten ist das Tragen von Handschuhen erforderlich. Siehe die Sicherheitsdatenblätter mit Gefahrenhinweisen und Sicherheitsvorkehrungen sowie Informationen zur Entsorgung. Die Plasmaprodukte sind mit negativem Befund auf Hepatitis B Antigen (HBsAg), HIV-1 und HIV-2 Antikörper und HCV-Antikörper getestet worden (wenn nicht auf HIV-Verpackung oder Fälschung anders bezeichnet). Sie sollten trotzdem mit derselben Vorsicht wie humanes Plasma proben behandelt werden.

INHALT

Komponente	Inhalt	Beschreibung	Vorbereitung
Thrombin 50 NIH/mL	5 x 4 mL (REF 5556) 5 x 2 mL (REF 5556H)	Jedes Fläschchen enthält ca. 200 (REF 5556) / 100 (REF 5556H) Einheiten Rinder-Thrombin mit Stabilisatoren.	Jedes Fläschchen mit: 4 mL (REF 5556) 2 mL (REF 5556H) sterilisiertes Wasser. Konfirmation beim Pipettieren verwenden. Leckfänger und 10 Minuten stehen lassen. Vor Gebrauch gut mischen. Nicht schütteln.
Fibrinogen Calibrator	2 x 1 mL (REF 5556) 1 x 1 mL (REF 5556H)	Jedes Fläschchen enthält 1 mL lyophilisiertes normales Humanplasma mit bekanntem Fibrinogengehalt.	Jedes Fläschchen mit: genau 1,0 mL destilliertem Wasser rekonstruieren. Leckfänger und 10 Minuten stehen lassen. Vor Gebrauch leckfänger mischen. Nicht schütteln.
Owren's Buffer	2 x 25 mL (REF 5556) 1 x 25 mL (REF 5556H)	Jede Flasche enthält 25 mL Puffer aus Butanol- und Natriumchlorid mit Konservierungsmittel.	Der Puffer ist gebrauchsfertig verpackt.

Jedes Kit enthält eine Gebrauchsanweisung.
Jedes Kit enthält chargenspezifischen Referenzwert.

NICHT MITGELIEFERTES, ABER BENÖTIGTES MATERIAL

Zur Bedienung siehe Bedienungsanleitung des Geräts und/oder Anwerderhinweise. Die Reagenzien dieses Kits sind auch einzeln erhältlich:

REF 5374	Clauss Fibrinogen (Thrombin only)
REF 5378	Clauss Fibrinogen (Thrombin only)
REF 5379	Fibrinogen Calibrator
REF 5375	Owren's Buffer

LAGERUNG UND HALTBARKEIT

Ungeöffnete Fläschchen sind unter den auf Verpackung oder Fläschchen angegebenen Lagerbedingungen bis zum angegebenen Verfallsdatum stabil.

Thrombin: Nach Rekonstitution ist das Reagenz 8 Stunden bei Raumtemperatur, 1 Woche bei 50 NIH/mL, 2 - 8°C stabil oder 1 Monate bei -20°C stabil.

Fibrinogen Calibrator: Rekonstituiert ist das Reagenz bei einer Temperatur von 2 - 8°C für 4 Stunden stabil.

Owren's Buffer: Nach dem Öffnen bei 2 - 8°C lagern.

PROBENENTNAHME UND VORBEREITUNG

Nur Plastik oder Silikonkugeln verwenden. Blut (9 Teile) sollte in 3,2% oder 3,8% Natriumcitrat als Antikoagulant (1 Teil) entnommen werden. 15 Minuten bei 1500 x zentrifugieren und Plasma abpipettieren. Plasma bei 2 - 8°C oder 18 - 24°C lagern. Plasma sollte innerhalb von 4 Stunden verarbeitet oder bei gelagert bei -20°C für 2 Wochen oder -70°C für 6 Monate gelagert werden. Vor dem Testen schnell bei 37°C auwärmen. Nicht länger als 5 Minuten bei 37°C belassen.

VERFAHREN

Sehe die Bedienungsanleitung des entsprechenden Geräts für genaue Anweisungen oder wenden Sie sich an Helena Biosciences Europe für spezielle anwendungstechnische Hinweise.

AUSWERTUNG DER ERGEBNISSE

Fibrinogen-Normalwerte bei gesunden Erwachsenen sind 150-350 mg/dL (1.5-3.5 g/L).

EINSCHRÄNKUNGEN

Heparinwerte >0.6 Einheiten/mL und Fibrinolyse-Aktivitätsprodukte >100 mg/mL können falsch niedrige Fibrinogen-Mengen ergeben. Liegen bei Patienten/Proben die Werte außerhalb der Standardkurve zu niedrig, Proben erneut mit verdünntem Plasma testen, um die Werte in den Bereich der Standardkurve zu bringen.

QUALITÄTSKONTROLLE

Jedes Labor muss für eine eigene Qualitätskontrolle sorgen. Vor jeder Testreihe mit Patientenproben müssen normale und pathologische Kontrollplasmen getestet werden, um eine zufrieden stellende Geräteleistung und Bedienung zu gewährleisten. Liegen die Kontrollen außerhalb des Normbereichs, sind die Patientenergebnisse nicht zu verwenden. In Verbindung mit diesem Produkt bietet Helena Biosciences Europe die folgenden Kontrollen an:

REF 5301	Specialty Assayed Control N
REF 5302	Specialty Assayed Control A
REF 5166	Routine Control N
REF 5167	Routine Control A
REF 5163	Routine Control SA

REFERENZWERTE

Referenzwerte können je nach Technik und verwendeten System von Labor zu Labor unterschiedlich sein. Aus diesem Grund sollte jedes Labor seinen eigenen Normbereich festlegen.

LEISTUNGSEIGENSCHAFTEN

Die folgenden Leistungseigenschaften wurden von Helena Biosciences Europe oder in ihrem Auftrag als Richtlinien ermittelt. Jede Labor muss seine eigene Werte ermitteln. Der Fibrinogen-Test ist so konzipiert, dass sich eine lineare Kalibrierung von 1.5 - 6.5 g/L ergibt.

Reproduzierbarkeit			Reproduzierbarkeit		
Intra-assay-Präzision			Inter-assay-Präzision		
Fibrinogen (g/L)	n	CV (%)	Fibrinogen (g/L)	n	CV (%)
1.24	5	4.88	1.02	10	6.17
3.01	5	3.58	3.62	10	3.75

REFERENCES

- Clauss A (1957) Gerinnungsphysiologische Schnellmethode zur Bestimmung des Fibrinogens, *Acta Haematol*, 17:237-240
- Shaw TS (1977) Assays for Fibrinogen and its Derivatives CRC, *Crit. Rev. Clin. Lab. Sci.* 8:145-182
- Clinical and Laboratory Standards Institute (2008) Collection, Transport and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Haemostasis Assays: Approved Guideline, 5th edn. CLSI H21-A5
- Scully RE et al. (1980) Normal Reference Laboratory Values, *New England Journal Medicine*, 302(37):37-48
- Okuno T, Sekirno V (1972) Plasma fibrinogen determination by automated thrombin time, *American Journal of Medical Technology*, 36(9):199-201

Clauss Fibrinogen 50

Istruzioni per l'uso

USO PREVISTO

Determinazione quantitativa del fibrinogeno secondo il metodo di Clauss presente nel plasma citrato umano su sistemi di coagulazione Helena Biosciences Europe A/C-4, C-1, C-2, C-4.

Il Kit di Fibrinogeno Clauss 50 è stato formulato per la determinazione quantitativa del fibrinogeno nel plasma umano. Clauss¹ ha messo a punto un semplice metodo per la determinazione quantitativa del fibrinogeno misurando il tempo di coagulazione del plasma citrato in seguito all'aggiunta di Thrombin (0-20 NIH unità/ml). Questo tempo di coagulazione è proporzionale alla concentrazione di fibrinogeno. I livelli di fibrinogeno possono aumentare in seguito ad infiammazione, gravidanza o impegno di coagulativi cronici. Livelli ridotti di fibrinogeno sono indicati in alcuni stati, come ad esempio le patologie epatiche e la DIC. Tale carenza congenita rientra nell'ipofibrinogenemia (assenza di fibrinogeno rilevabile), l'ipofibrinogenemia (<1 mg/dL) e la disfibrinogenemia (molecola di fibrinogeno anormale).

AVVERTENZE E PRECAUZIONI

I reagenti contenuti in questo kit sono destinati esclusivamente alla diagnostica in vitro. NON INGERIRE. Indossare guanti protettivi durante l'uso dei componenti del kit. Fare riferimento alle istruzioni del prodotto per avvertenze su rischi e sicurezza ed informazioni sullo smaltimento dei componenti. I prodotti plasmatrici sono stati esaminati dando esito negativo (assente o trascurabile) indicata sulla confezione del kit o sui flaconi) relativamente alla presenza dell'antigene dell'epatite B (HBsAg), dell'anticorpo anti-HIV 1 e 2 e dell'anticorpo anti-HCV; questi prodotti devono tuttavia essere manipolati con le stesse misure precauzionali adottate per un campione di plasma umano.

COMPOSIZIONE

Componente	Contiene	Descrizione	Preparazione
Thrombin 50 NIH/mL	5 x 4 mL (REF 5555) 5 x 2 mL (REF 5556H)	Ogni flacone contiene approssimativamente 200 (REF 5555) / 100 (REF 5556H) unità di Thrombin bovina con stabilizzanti.	Ricostituire ogni flacone con: 4 mL (REF 5556) 2 mL (REF 5556H) di acqua distillata. Durante il pipistaggio, prestare attenzione ad evitare la contaminazione. Agitare delicatamente e astringere il pipistaggio per 15 minuti. Mescolare bene prima dell'uso. Non scuotere.
Fibrinogen Calibrator	2 x 1 mL (REF 5556) 1 x 1 mL (REF 5556H)	Ogni flacone contiene 1 mL di plasma umano normale solubilizzato diluito per livelli di fibrinogeno.	Ricostituire ogni flacone con esattamente 10 mL di acqua distillata. Agitare delicatamente e astringere il pipistaggio per 10 minuti. Mescolare delicatamente prima dell'uso. Non scuotere.
Owren's Buffer	2 x 25 mL (REF 5556) 1 x 25 mL (REF 5556H)	Ogni flacone contiene 25 mL di tampone contenente edeltato e sodio citrato con sodio azido come conservante.	Il tampone è pronto all'uso così come viene fornito.

Ogni kit contiene un'istruzione per l'uso.
Ogni kit contiene un inserto recante i valori di riferimento specifici per il kit.

MATERIALI NECESSARI, MA NON IN DOTAZIONE

Fare riferimento al manuale utente dello strumento ed alla nota applicativa per conoscere le istruzioni specifiche. I reagenti contenuti in questo kit sono disponibili anche come materiale separato:

REF 5374	Clauss Fibrinogen (Thrombin only)
REF 5375	Clauss Fibrinogen (Thrombin only)
REF 5378	Fibrinogen Calibrator
REF 5375	Owren's Buffer

CONSERVAZIONE E STABILITÀ

I flaconi non aperti sono stabili fino alla data di scadenza indicata se conservati nelle condizioni riportate sul flacone o sull'etichetta del kit.

Thrombin: 50 NIH/mL. Dopo la ricostituzione, il reagente è stabile per 1 ore a temperatura ambiente, 1 settimana a "2 -5°C" o per 1 mese a -20°C.

Fibrinogen Calibrator: Dopo la ricostituzione, il reagente è stabile per 1 ora a "2 -8°C".

Owren's Buffer: Una volta aperto, conservare a "2 -8°C".

RACCOLTA DEI CAMPIONI E PREPARAZIONE

Nel corso dell'intera procedura è necessario utilizzare pipetta o vetro silicizzato. Il sangue (9 parti) deve essere raccolto in sodo citrato al 3,2% o al 3,8% (1 parte). Separare il plasma dopo 5 minuti di centrifugazione a 1500 x g per 15 minuti. Il plasma deve essere conservato a "2 -8°C" o "18 -24°C". I test devono essere completati entro 4 ore dalla raccolta dei campioni; in alternativa, il plasma può essere conservato congelato a -20°C per 2 settimane o a -70°C per 6 mesi. Decongelare rapidamente a "37°C" prima di eseguire i test. Non conservare a "37°C" per oltre 5 minuti.

PROCEDURA

Fare riferimento al manuale utente dello strumento appropriato per istruzioni dettagliate oppure contattare Helena Biosciences Europe per le note applicative specifiche dello strumento.

INTERPRETAZIONE DEI RISULTATI

Nel soggetti adulti sani i valori previsti per il fibrinogeno sono di 150-350 mg/dL (1,5-3,5 g/L).

LIMITAZIONI

I livelli di plasma >0,6 mL/mL e i prodotti di degradazione >100 mg/mL possono causare una quantificazione del fibrinogeno falsamente bassa. Se i valori funzionali dei valori della curva standard per i campioni dei pazienti, ripetere il dosaggio utilizzando una diluzione appropriata per portare i valori all'interno del range standard.

CONTROLLO QUALITÀ

Ogni laboratorio deve definire un programma di controllo qualità. I plasmi di controllo normali e anormali devono essere testati prima di ogni lotto di campioni di pazienti per garantire un livello prestazionale soddisfacente sia per quanto riguarda lo strumento che per l'operatore. Qualora i controlli non funzionassero come previsto, i risultati relativi ai pazienti dovranno essere considerati non validi. Helena Biosciences Europe mette a disposizione i seguenti controlli utilizzati con questo prodotto:

REF 5301	Specificity Assay Control N
REF 5302	Specificity Assay Control A
REF 5186	Routine Control N
REF 5187	Routine Control A
REF 5183	Routine Control SA

VALORI DI RIFERIMENTO

I valori di riferimento possono variare da un laboratorio all'altro in funzione delle tecniche e dei sistemi in uso. Per tale motivo ciascun laboratorio dovrà elaborare un proprio range normale.

CARATTERISTICHE PRESTAZIONALI

Le caratteristiche prestazionali sono riportate sotto sotto determinate da Helena Biosciences Europe o dai propri rappresentanti a titolo di linee guida. Ciascun laboratorio dovrà pertanto elaborare i propri dati prestazionali. Il dosaggio del fibrinogeno è stato studiato per fornire calibrazione lineare compresa tra 1,5-6,5 g/L.

Riproducibilità			Precisione intra dosaggio			Precisione tra i dosaggi		
Fibrinogeno (g/L)	n	CV (%)	Fibrinogeno (g/L)	n	CV (%)	Fibrinogeno (g/L)	n	CV (%)
1.24	5	4.88	1.02	10	6.17			
3.01	5	3.58	3.62	10	3.75			

RIFERIMENTI

1. Clauss A (1957) Gerinnungsphysiologische Schnellmethode zur Bestimmung des Fibrinogens, *Acta Haematol*; 17:237-246
2. Shaw TS (1977) Assays for Fibrinogen and Its Derivatives CRC, *Crit. Rev. Clin. Lab. Sci*; 8:145-192
3. Clinical and Laboratory Standards Institute (2008) Collection, Transport and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Hemostasis Assays: Approved Guideline, 5th edn. CLSI H21-A5
4. Scully PE et al. (1980) Normal Reference Laboratory Values, *New England Journal Medicine*, 302(3):37-48
5. Okuno T, Selenko V (1972) Plasma fibrinogen determination by automated thrombin time, *American Journal of Medical Technology*; 36(8):186-201

Clauss Fibrinogen 50

Istruzioni de uso

USO PREVISTO

La determinazione quantitativa di fibrinogeno basata sul metodo Clauss del plasma citrato umano su sistemi di coagulazione Helena Biosciences Europe A/C-4, C-1, C-2, C-4.

Il Kit di Fibrinogeno Clauss 50 è stato previsto per la determinazione quantitativa del fibrinogeno nel plasma umano. Clauss¹ desarrolló un método simple para la determinación cuantitativa de fibrinogeno midiendo el tiempo de coagulación del plasma citrado después de la adición de Thrombin (0-20 unidades NIH/mL). Este tiempo de coagulación es proporcional a la concentración de fibrinogeno. Los niveles de fibrinogeno pueden aumentar como consecuencia de inflamación, embarazo o uso de hepatocáncer crónico. Puntos reducidos de fibrinogeno son indicados en algunos estados, como la enfermedad hepática y la DIC. Esta carencia congénita pertenece a la hipofibrinogenemia (ausencia de fibrinógeno detectable), la hipofibrinogenemia (<1 mg/dL) y la disfibrinogenemia (molécula de fibrinógeno anormal).

ADVERTENCIAS Y PRECAUCIONES

Los reactivos contenidos en este kit son sólo para uso diagnóstico. NO SE DEBEN INGERIR. Usar guantes para manejar todos los componentes del kit. Consultar la hoja con los datos de seguridad del producto acerca de los riesgos, avisos de seguridad y consejos para su eliminación. Los productos plasmatricos se han sometido a pruebas y han resultado negativos (a menos que se indique otra cosa en la caja del kit o en el vial) para la presencia de antígeno de la hepatitis B (HBsAg), anticuerpos de VIH 1 y 2 y anticuerpo del VHC; sin embargo, deben manipularse con las mismas precauciones que una muestra de plasma humano.

COMPOSICIÓN

Componente	Contiene	Descripción	Preparación
Thrombin 50 NIH/mL	5 x 4 mL (REF 5556) 5 x 2 mL (REF 5556H)	Cada vial contiene aproximadamente 200 (REF 5556) / 100 (REF 5556H) unidades de trombina bovina con estabilizantes.	Ricostituire cada vial con: 4 mL (REF 5556) 2 mL (REF 5556H) de agua purificada. Tener cuidado al pipetear para evitar la contaminación. Agitar suavemente y permitir que repose durante 15 minutos. Mezclar suavemente antes de su uso. No agitar.
Fibrinogen Calibrator	2 x 1 mL (REF 5556) 1 x 1 mL (REF 5556H)	Cada vial contiene 1.0 mL de plasma humano normal liofilizado, estandarizado en cuanto a niveles de fibrinógeno.	Reconstituir cada vial con exactamente 10 mL de agua destilada. Agitar suavemente y permitir que repose durante 15 minutos. Mezclar suavemente antes de su uso. No agitar.
Owren's Buffer	2 x 25 mL (REF 5556) 1 x 25 mL (REF 5556H)	Cada frasco contiene 25 mL de tampón con azida sodio como conservante.	El tampón viene envasado listo para usar.

Cada kit contiene instrucciones de uso.
Cada kit contiene valores de referencia específicos insertados del kit.

ARTÍCULOS NECESARIOS NO SUMINISTRADOS

Consúltese el Manual del Operador del Instrumento y/o la nota de aplicación para instrucciones adecuadas. Los reactivos contenidos en este kit están también disponibles como artículos separados:

REF 5374	Clauss Fibrinogen (Thrombin only)
REF 5378	Clauss Fibrinogen (Thrombin only)
REF 5374	Fibrinogen Calibrator
REF 5375	Owren's Buffer

ALMACENAJE Y ESTABILIDAD

Los viales no abiertos son estables hasta la fecha de caducidad indicada cuando se conservan en las condiciones indicadas en el vial o en la etiqueta del kit.

Thrombin: 50 NIH/mL. El reactivo reconstituido permanece estable durante 8 horas a temperatura ambiente, 1 semana a "2 -8°C" o 1 meses a -20°C.

Fibrinogen Calibrator: Una vez reconstituido, el reactivo permanece estable durante 4 horas a "2 -8°C".

Owren's Buffer: Conservar a "2 -8°C" una vez abierto.

RECOCIDA Y PREPARACIÓN DE MUESTRAS

Debe usarse siempre plástico o vidrio silicizado. Debe recogerse sangre (9 partes) en el anticoagulante citrato sódico al 3,2% o al 3,8% (1 parte). Separar el plasma después de 5 minutos de centrifugación a 1500 x g durante 15 minutos. El plasma debe conservarse a "2 -8°C" o "18 -24°C". Las pruebas deben terminarse en 4 horas desde la recogida de las muestras o el plasma puede conservarse congelado a -20°C durante 2 semanas o 70°C durante 6 meses. Decongelar rápidamente a "37°C" antes de realizar la prueba. No conservar a "37°C" durante más de 5 minutos.

PROCEDIMIENTO

Consulte el manual del usuario del instrumento adecuado para instrucciones detalladas o póngase en contacto con Helena Biosciences Europe para notas de aplicación específicas del instrumento.

INTERPRETACIÓN DE RESULTADOS

Los valores esperados para el fibrinógeno en adultos sanos son de 150-350 mg/dL (1,5-3,5 g/L).

LIMITACIONES

Los niveles de heparina >0,6 unidades/mL, y los productos de degradación (fibrinólisis >100 mg/mL) pueden producir una cuantificación falsamente baja del fibrinógeno. Si los valores caen fuera de los valores de la curva estándar para las muestras de pacientes, vuelva a realizar la valoración usando una dilución adecuada para llevar los valores al intervalo estándar.

CONTROL DE CALIDAD

Cada laboratorio debe establecer un programa de control de calidad. Los controles normales y anormales deben estudiarse antes de cada lote de muestras del paciente, para asegurar un funcionamiento adecuado del instrumento y el operador. Si los controles no se realizan como se esperaba, los resultados del paciente deben considerarse inválidos. Helena Biosciences Europe suministra los siguientes controles disponibles para usar con este producto:

REF 5301	Specificity Assay Control N
REF 5302	Specificity Assay Control A
REF 5186	Routine Control N
REF 5187	Routine Control A
REF 5183	Routine Control SA

VALORES DE REFERENCIA

Los valores de referencia pueden variar entre los laboratorios dependiendo de las técnicas y sistemas usados. Por esta razón, cada laboratorio debe establecer su propio intervalo normal.

CARACTERÍSTICAS FUNCIONALES

Helena Biosciences Europe sus representantes han determinado las siguientes características de rendimiento como directrices. Cada laboratorio debe establecer sus propios datos de rendimiento. La valoración del fibrinógeno está diseñada para dar una calibración lineal de 1,5 a 6,5 g/L.

Reproducibilidad			Precisión intra-ensayo			Precisión inter-ensayo		
Fibrinógeno (g/L)	n	CV (%)	Fibrinógeno (g/L)	n	CV (%)	Fibrinógeno (g/L)	n	CV (%)
1.24	5	4.88	1.02	10	6.17			
3.01	5	3.58	3.62	10	3.75			

REFERENCIAS

1. Clauss A (1957) Gerinnungsphysiologische Schnellmethode zur Bestimmung des Fibrinogens, *Acta Haematol*; 17:237-246
2. Shaw TS (1977) Assays for Fibrinogen and Its Derivatives CRC, *Crit. Rev. Clin. Lab. Sci*; 8:145-192
3. Clinical and Laboratory Standards Institute (2008) Collection, Transport and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Hemostasis Assays: Approved Guideline, 5th edn. CLSI H21-A5
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Test-sistema "Opredelenie fibrinogena metodom Klavusa 50"

инструкция

ПРИМЕНЕНИЕ

Test-sistema "Opredelenie fibrinogena metodom Klavusa 50" prednaznacheno dlya provedeniya kolichestvennogo opredeleniya fibrinogena po Klavusu v plazme krovi cheloveka na koagulyatornykh proizvodstvykh koshaniya Helena S-1/2/4/C-4.

Test-sistema "Opredelenie fibrinogena metodom Klavusa 50" prednaznachena dlya provedeniya kolichestvennogo opredeleniya fibrinogena po Klavusu v plazme krovi cheloveka na koagulyatornykh proizvodstvykh koshaniya Helena S-1/2/4/C-4. Test-sistema "Opredelenie fibrinogena metodom Klavusa 50" prednaznachena dlya provedeniya kolichestvennogo opredeleniya fibrinogena po Klavusu v plazme krovi cheloveka na koagulyatornykh proizvodstvykh koshaniya Helena S-1/2/4/C-4. Test-sistema "Opredelenie fibrinogena metodom Klavusa 50" prednaznachena dlya provedeniya kolichestvennogo opredeleniya fibrinogena po Klavusu v plazme krovi cheloveka na koagulyatornykh proizvodstvykh koshaniya Helena S-1/2/4/C-4.

ПРЕДУПРЕЖДЕНИЯ И ПРЕДОСТОРОЖНОСТИ

Реактивы, содержащиеся в наборе, предназначены только для in-vitro диагностики. При работе с любыми из компонентов набора применять соответствующую защитную одежду (одежда, перчатки или защитные очки и т.д.). Ознакомьтесь с инструкцией по мерам предосторожности. Тестирование контрольных плазм (либо референсов) на содержание дельтгена вируса гепатита В (HBsAg), антигена к HIV 1 и антигена к HCV дадут отрицательный результат (за исключением, если последние не указаны на упаковке или флаконе). Тем не менее, при работе с любыми образцами следует иметь в виду, что остроконечный, как и при работе с образцами плазмы крови человека.

СОСТАВ РЕАГЕНТОВ

Компоненты	Состав набора	Описание	Подготовка реагентов
Тромбинный Реагент: 50 ME/mL	5 x 4 mL (Kat. № 5556) 5 x 2 mL (Kat. № 5556H)	содержит 200 единиц (Kat. № 5556) / 100 единиц (Kat. № 5556H) бычьего тромбина со стабилизаторами.	Вынести во флакон: 4.0 mL (Kat. № 5556) или 2.0 mL (Kat. № 5556H) дистиллированной (деионизированной) воды. Осторожно перемешать и оставить при комнатной температуре в течение 10 минут.
Калибратор Фибриногена	2 x 1 mL (Kat. № 5556) 1 x 1 mL (Kat. № 5556H)	Содержит 1.0 mL лиофилизированной нормальной плазмы человека, антикоагулянтной по уровню фибриногена.	Вынести во флакон 1.0 мл дистиллированной или деионизированной воды. Осторожно перемешать и оставить при комнатной температуре в течение 10 минут.
Буфер Оурена	2 x 25 mL (Kat. № 5556) 1 x 25 mL (Kat. № 5556H)	Флакон содержит 25.0 мл готового к использованию буфера, содержащего натрий азидат и натрий анион стабилизатор.	Вынести во флакон 25.0 мл готового к использованию буфера. Осторожно перемешать и оставить при комнатной температуре в течение 10 минут.

Каждый набор содержит инструкцию по применению.
Паспорт с референсными значениями.

ТРЕБУЕМЫЕ, НО НЕ ПОСТАВЛЯЕМЫЕ МАТЕРИАЛЫ

Адаптации реагентов к различным приборам доступны по запросу у официальных дистрибуторов и компаний Helena. Реактивы, входящие в набор могут быть заказаны отдельно: Кат. № 5374 - Test-sistema "Фибриноген по Клауссу (только тромбинный реагент)" Кат. № 5378 - Test-sistema "Фибриноген по Клауссу (только тромбинный реагент)" Кат. № 5378 - Калибратор фибриногена Кат. № 5375 - Текстовый реагент "Буфер Оурена"

ХРАНЕНИЕ И СТАБИЛЬНОСТЬ

Неоткрытые флаконы хранятся до истечения срока годности в условиях, указанных на упаковке или этикетке.

Тромбинный Реагент: 50 ME/mL. После восстановления, тромбинный реагент стабилен в течение 7 дней при "2 -8°C", 8 часов на борту авиалайнера при "15 -30°C" и 1 месяц при -20°C.

Калибратор Фибриногена: После восстановления, калибратор стабилен в течение 4 часов при "2 -8°C".

Буфер Оурена: Вскрытый флакон с буфером следует хранить при "2 -8°C".

СБОР И ПРИГОТОВЛЕНИЕ ОБРАЗЦОВ

Для работы следует использовать только пластиковые или силиконизированные стеклянные пробирки. Кровь забирается в пробирку с центральным антикоагулянтом (3,2% или 3,8% цитрат натрия) в соотношении 9 : 1. После взятия образца (время от момента забора до начала анализа не должно превышать 4 часов). Плазму следует хранить при температуре "2 -8°C" или "18 -24°C". Тестирование должно быть проведено в течение 4 часов после забора образца, либо плазму можно окрестить заморозкой и хранить при температуре -20°C в течение 2 недель или при -70°C в течение 6 месяцев. Перед проведением анализа плазму следует быстро разморозить при "37°C". Не держать плазму при "37°C" более 5 минут.

ПРОЦЕДУРА ВЫПОЛНЕНИЯ АНАЛИЗА

Для получения более подробной информации обратиться к инструкции на автоматический или полуавтоматический коагулятор.

ИНТЕРПРЕТАЦИЯ РЕЗУЛЬТАТОВ

Средний уровень фибриногена в здоровых взрослых людях находится между 150-350 мг/дЛ (1,5-3,5 г/л).

ОГРАНИЧЕНИЯ

На низко концентрированные результаты концентрации фибриногена, полученные на коагуляторе, может влиять наличие в концентрации >0,6 Единиц и ПДФ в концентрации >100 мкг/л. Если значения образцов пациентов выходят за границы стандартной шкалы, то требуется дальнейшее разведение образца, чтобы значения попадали в линейный диапазон от 1,0 до 6,5 г/л.

КОНТРОЛЬ КАЧЕСТВА

Каждый лаборатория должна установить программу контроля качества. Перед началом работы каждой партии образцов необходимо протестировать нормальную и патологическую плазму, чтобы убедиться в работоспособности работы оборудования и оператора. Если контрольные измерения не соответствуют с ожидаемыми значениями, то измерения должны пациентов следует считать недостоверными. Следующие рекомендации следующие контрольные материалы:

Кат. № 5301	Контроль качества специальные тесты, норма
Кат. № 5302	Контроль качества специальные тесты, патология
Кат. № 5186	Контроль качества, норма
Кат. № 5187	Контроль качества, умеренно выраженная патология
Кат. № 5183	Контроль качества, высокая патология

РЕФЕРЕНСНЫЕ ЗНАЧЕНИЯ

Референсные значения могут варьировать между лабораториями в зависимости от используемых методов и коагуляторов. По этой причине каждый лаборатория должна установить свои собственные значения.

АНАЛИТИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Каждая лаборатория должна установить программу контроля качества. Перед началом работы каждой партии образцов необходимо протестировать нормальную и патологическую плазму, чтобы убедиться в работоспособности работы оборудования и оператора. Если контрольные измерения не соответствуют с ожидаемыми значениями, то измерения должны пациентов следует считать недостоверными. Следующие рекомендации следующие контрольные материалы:

Воспроизводимость			В пределах аналитической серии			Между различными аналитическими сериями		
Фибриноген (г/л)	n	CV (%)	Фибриноген (г/л)	n	CV (%)	Фибриноген (г/л)	n	CV (%)
1.24	5	4.88	1.02	10	6.17			
3.01	5	3.58	3.62	10	3.75			

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4. Scully PE et al. (1980) Normal Reference Laboratory Values, *New England Journal Medicine*, 302(3):37-48
5. Okuno T, Selenko V (1972) Plasma fibrinogen determination by automated thrombin time, *American Journal of Medical Technology*; 36(8):186-201

Declaration of Conformity

helena
Biosciences Europe

HL-7-0229DC DOI 2015/08 (6)

In Application of the Council Directive 98/79/EC on the approximation of the laws of the Member States relating to *In Vitro* Diagnostic Medical Devices & CE marking.

Declaration of conformance to applicable sections of Annex I - Essential Requirements and Annex III (EC Declaration of Conformity) imposed by sections 2 to 5. The below listed products are not classified under Annex II Lists A or B. Access to the appropriate technical files will be made available to the appropriate body in the event this is required.

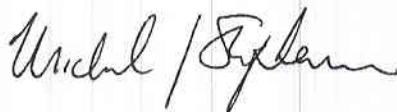
Product Code	Description	GMDN Classification Code
5392	Thrombin Time	55987

I, the undersigned declare that the devices registered against the above GMDN Classification Code conforms to the said Directives.

Full Name: M.J. Stephenson

Title: Managing Director

Signed:



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Thrombin Time

REF 5377
REF 5392
REF 5392H



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Thrombin Time

Instructions for use

INTENDED PURPOSE

The Thrombin Time kit is intended for carrying out clot based haemostasis assays.

The Thrombin Time reagent contains bovine thrombin. The reagent can be used manually or on semi-automated and automated instruments. The test is commonly applied to detect various causes of interference with normal blood coagulation. Prolongation of the thrombin clotting time can be taken as a qualitative indication of abnormal fibrinogen levels (high or low), or the presence of interfering substances such as Fibrin Degradation Products (FDPs) or heparin. Quantitative evaluation of the possible causes of prolonged thrombin clotting time should be performed as follows: studies, such as aPTT or chromogenic assay for heparin, Clausen thrombin, FDP determinations, heparin neutralization by protamine sulphate or polybrene, normal plasma mixing studies or reptilase assay to distinguish between hypofibrinogenemia and FDP effects.

WARNINGS AND PRECAUTIONS

The reagents contained in this kit are for in vitro diagnostic use only - DO NOT INGEST. Wear appropriate personal protective equipment when handling all kit components. Refer to the product safety declaration for the risk to appropriate hazard and precautionary statements where applicable. Dispose of components in accordance with local regulations.

COMPOSITION

Composant	Contient	Description	Préparation
Thrombin Time	10 x 1 mL (REF 5392H) 10 x 2 mL (REF 5392) 10 x 5 mL (REF 5377)	Each vial contains a lyophilized preparation of bovine thrombin with buffers and stabilizers. The reconstituted reagent contains ± 10 NIH units/ml of thrombin. The reagent should be a white lyophilized plug.	Reconstitute the reagent with the recommended volume of purified water: 1 mL - REF 5392H 2 mL - REF 5392 5 mL - REF 5377 Allow to stand for 5 minutes then mix gently by inversion and transfer to a plastic tube. Reconstituted reagent should be a clear, colourless solution.

ITEMS REQUIRED BUT NOT PROVIDED

Any high quality mechanical, opto-mechanical or photo-optical coagulation instrument capable of performing thrombin clotting time testing may be used.

STORAGE, SHELF LIFE AND STABILITY

Unopened reagents are stable until the given expiry date when stored under conditions indicated on the vial or kit label.

Thrombin Reconstituted reagent should be stored at -20°C and is stable for 14 days or at -80°C for 1 month. Reconstituted reagent can also be stored on board a Sysmex CA1500 photo-optical instrument for up to 7 days.

SAMPLE COLLECTION AND PREPARATION

Plastic or siliconized glass should be used throughout. Blood (or plasma) should be collected into 0.2% or 5% sodium citrate anticoagulant (1 part). Separate plasma after centrifugation at 1500 x g for 15 minutes. Plasma should be kept at -2°C or -18°C to -24°C . Testing should be completed within 4 hours of sample collection, or plasma can be stored frozen at -20°C for 2 weeks or -70°C for 6 months. Thaw quickly at -37°C prior to testing. Do not keep at -37°C for more than 5 minutes.

PROCEDURE

- Collect and prepare the blood sample according to the directions outlined in "Sample Collection And Preparation".
- Reconstitute the control plasma according to the package insert provided with each control.
- Prepare the reagent for use in the procedure according to the reconstitution instructions in the "Composition" section.
- Perform all tests in duplicate. Calculate the mean clotting time of the duplicate determinations to the nearest 0.1 seconds. Individual values should be within $\pm 5\%$ of the mean value.

Manual Method

- Pipette 0.2 mL of the patient plasma or control plasma into a reaction tube.
- Inoculate at 37°C for 3 minutes.
- Pipette 0.1 mL of Thrombin Time into the reaction tube containing patient or control plasma whilst simultaneously starting a timer.
- Record the time taken for clot formation to the nearest 0.1 second.

Automated Method

Refer to the appropriate instrument operator manual for detailed instructions or contact Helena Biosciences Europe for instrument specific application notes.

INTERPRETATION OF RESULTS

The results of the Thrombin Time test should be reported to the nearest 0.1 seconds. The normal range (usually the mean ± 2 standard deviations) should be established by each laboratory. Results outside the normal range should be considered abnormal and follow-up testing performed.

LIMITATIONS

Expected values for the Thrombin Time test will vary from one laboratory to another depending on the technique used. The method of clot detection, temperature, pH, collection technique, type of anticoagulant and time and method of sample storage are all very important. Plasma sample collection and storage conditions should be standardized and carefully controlled. Unexpected results should be confirmed by additional testing.

As well as the cause of prolonged thrombin times indicated, a report has suggested that many systemic amyloidosis patients with bleeding complications may have a circulating inhibitor which prolongs the Thrombin Time test. Also, therapeutic levels of heparin may entirely abolish clotting in the Thrombin Time test, although neutralisation with protamine sulphate or polybrene should correct the Thrombin Time.

QUALITY CONTROL

Each laboratory should establish a quality control program. Normal and abnormal control plasmas should be tested prior to each batch of patient samples, to ensure satisfactory instrument and operator performance. Controls do not perform as expected, patient results should be considered invalid. Helena Biosciences Europe supplies the following controls available for use with the product:

REF 5186 Routine Control N
REF 5187 Routine Control A
REF 5188 Routine Control SA

REFERENCE VALUES

Reference values can vary between laboratories depending on the techniques and systems in use. For this reason each laboratory should establish its own reference ranges.

PERFORMANCE CHARACTERISTICS

The following performance characteristics have been determined by Helena Biosciences Europe or their representatives:

Reproductibility	Intra-assay precision	Inter-assay precision
Sample n	CV (%)	CV (%)
Normal 10	12.5	1.29

BIBLIOGRAPHY

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Thrombin Time

Fiche technique

fr

UTILISATION

Le kit Thrombin Time est destiné à la réalisation des analyses de thrombolyse basées sur la formation de caillots.

Le réactif Thrombin Time contient de la thrombine bovine. Il est possible d'ajouter le réactif avec une méthode manuelle ou avec des instruments automatisés ou semi-automatisés. Il s'agit d'un test communément appliqué pour détecter diverses causes d'interférence avec la coagulation sanguine normale. Un allongement du Thrombin Time constitue une indication qualitative du taux de fibrinogène anormal (élevé ou faible) ou de la présence de substances interférentes comme les produits de dégradation de la fibrine (PDF) ou l'héparine. Il est nécessaire de réaliser une évaluation quantitative des causes possibles de cet allongement en réalisant d'autres analyses: TCA ou dosage chromogénique pour l'héparine, méthode de Clausen pour le fibrinogène, détermination des PDF, neutralisation de l'héparine par sulfate de protamine ou du Polybrene, études de mélange avec du plasma normal ou de dilution de l'échantillon pour différencier une hypofibrinogénémie des effets des PDF.

AVERTISSEMENTS ET PRÉCAUTIONS

Les réactifs du kit sont à usage diagnostique in vitro uniquement - NE PAS INGERER. Porter un équipement de protection individuelle approprié lors de la manipulation de tous les composants du kit. Consulter la fiche de données de sécurité du produit pour obtenir le lien vers les phrases de risque et les conseils de prudence le cas échéant. Éliminer les composants conformément aux réglementations locales.

COMPOSITION

Composant	Contient	Description	Préparation
Thrombin Time	10 x 1 mL (REF 5392H) 10 x 2 mL (REF 5392) 10 x 5 mL (REF 5377)	Chaque flacon contient une préparation lyophilisée de thrombine bovine additionnée de tampons et de stabilisateurs. Le réactif reconstitué contient ± 10 unités NIH/ml de thrombine. Il se présente sous la forme d'un lyophilisat blanc.	Reconstituer le réactif en ajoutant le volume indiqué d'eau distillée: 1 mL - REF 5392H 2 mL - REF 5392 5 mL - REF 5377 Laisser reposer 5 minutes puis mélanger doucement par inversion et transférer dans un tube en plastique. Le réactif reconstitué est une solution transparente et incolore.

Chaque kit contient une fiche technique.

MATÉRIEL NÉCESSAIRE NON FOURNI

Il est possible d'utiliser un instrument de coagulation mécanique opto-mécanique ou photo-optique de haute qualité servant à déterminer le Thrombin Time.

CONSERVATION, DURÉE DE VIE UTILE ET STABILITÉ

Les réactifs du réactif non ouverts sont stables jusqu'à la date de péremption indiquée s'ils sont conservés dans les conditions indiquées sur l'étiquette du kit ou du flacon.

Thrombin Une fois reconstitué, le réactif doit être conservé à une température stable entre -2°C et -80°C pour rester stable pendant 14 jours, ou à -20°C pour rester stable pendant 1 mois. Le réactif reconstitué peut également être conservé pendant un maximum de 7 jours à bord d'un instrument photo-optique Sysmex CA1500.

PRÉLEVEMENT ET PRÉPARATION DES ÉCHANTILLONS

Utiliser tout au long du prélèvement du plasma ou du sérum. Mélanger 9 volumes de sang et 1 volume de citrate de sodium à 3,2% ou 3,8%. Séparer le plasma après centrifugation à 1500 x g pendant 15 minutes. Conserver le plasma entre -2°C et -18°C à -24°C . L'analyse doit être terminée dans les 4 heures suivant le prélèvement de l'échantillon; sinon, il est possible de congeler le plasma 2 semaines à -20°C ou 6 mois à -70°C . Décongeler rapidement à -37°C avant de réaliser l'analyse. Ne pas laisser à -37°C plus de 5 minutes.

PROCÉDURE

- Prélever et préparer l'échantillon de sang conformément aux instructions du paragraphe "Prélèvements des échantillons".
- Reconstituer le plasma de contrôle en suivant les instructions de la notice fournie avec chaque contrôle.
- Préparer le réactif à utiliser dans la procédure en suivant les instructions de reconstitution du paragraphe "Composition".
- Réaliser toutes les analyses en double. Choisir le temps moyen de coagulation des déterminations en analysant au dixième de seconde. Les valeurs individuelles doivent se situer dans une plage $\pm 5\%$ de la valeur moyenne.

Méthode Manuelle

- Pipeter 0.2 mL de plasma patient ou contrôle dans un tube à essai.
- Inocuer 3 minutes à 37°C .
- Pipeter 0.1 mL de réactif Thrombin Time dans le tube à essai contenant le plasma patient ou contrôle et commencer à ce moment un chronomètre.
- Relayer le temps de formation du caillot en arrondissant au dixième de seconde.

Méthodes Automatisées

Consulter le manuel d'utilisation de l'instrument approprié pour obtenir des instructions détaillées ou contacter Helena Biosciences Europe pour obtenir des notes d'application spécifiques à l'instrument.

INTERPRÉTATION DES RÉSULTATS

Les résultats du Thrombin Time doivent être indiqués en arrondissant au dixième de seconde. La plage normale (en général, écarts-types moyens ± 2) doit être déterminée par chaque laboratoire. Les résultats se situant hors de la plage normale doivent être considérés comme anormaux et il est nécessaire de réaliser des analyses plus approfondies.

LIMITES

Les valeurs prévues du Thrombin Time varient d'un laboratoire à l'autre suivant la technique utilisée. La méthode de détection du caillot, la température, le pH, la technique de prélèvement, le type d'anticoagulant et la durée et le mode de conservation de l'échantillon sont des paramètres très importants. Les conditions de prélèvement et de conservation de l'échantillon de plasma doivent être standardisées et soigneusement contrôlées. Tout résultat hors plage doit être confirmé par un test supplémentaire.

Mis à part les causes de l'allongement du Thrombin Time indiquées, une étude a suggéré que de nombreux patients souffrant d'une amylose systémique avec des complications hémorragiques ont un inhibiteur circulant qui prolonge le Thrombin Time. En outre, un taux thérapeutique d'héparine risque d'annuler complètement la coagulation dans le test de détermination du Thrombin Time, même si une neutralisation avec du sulfate de protamine ou du Polybrene doit corriger le Thrombin Time.

CONTRÔLE QUALITÉ

Chaque laboratoire doit établir un programme de contrôle qualité. Les plasmas de contrôle, normaux et anormaux, doivent être testés avant chaque lot d'échantillons patients afin de s'assurer que l'instrument et l'opérateur offrent des performances satisfaisantes. Si les contrôles ne donnent pas les résultats prévus, les résultats du patient doivent être considérés comme non valides. Helena Biosciences Europe distribue les contrôles suivants à utiliser avec ce produit:

REF 5186 Routine Control N
REF 5187 Routine Control A
REF 5188 Routine Control SA

VALEURS DE RÉFÉRENCE

Les valeurs de référence peuvent varier d'un laboratoire à l'autre suivant les techniques et les systèmes utilisés. C'est pour cette raison qu'il appartient à chaque laboratoire de déterminer ses propres plages de référence.

CARACTÉRISTIQUES DE PERFORMANCE

Helena Biosciences Europe ou ses mandataires ont déterminé les caractéristiques de performance suivantes:

Précision	Précision Intra-série	Précision Inter-série
Échantillon n	CV (%)	CV (%)
Normaux 10	12.5	1.29

BIBLIOGRAPHIE

- Laposata et al. The Clinical Haemostasis Handbook, Yearbook Medical Publishers Inc., p219, 1989
- Thompson AR and Barker LA. Manual of Haemostasis and Thrombosis, 3rd Ed., F.A. Davis Co., p62, 1983
- DeMott WR. Laboratory Test Handbook, 2nd Ed., Jacobs D.S. et al Eds., Lexi-Comp Inc., p432-433, 1990
- Clinical and Laboratory Standards Institute (2006) Collection, Transport and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Haemostasis Assays: Approved Guideline, 5th edn, CLSI H21-A5
- Gastineau DA et al. (1991) Inhibitor of the Thrombin Time in Systemic Amyloidosis: A Common Coagulation Abnormality, Blood, 77:2637-40

Thrombin Time

Anleitung

de

VERWENDUNGSZWECK

Das Thrombin Time-Kit ist für koagulationsmechanische Gerinnungstests vorgesehen.

Das Reagenz für die Thrombin Time enthält Rinder-Thrombin. Das Reagenz kann manuell oder in Verbindung mit halbautomatisierten oder automatisierten Geräten verwendet werden. Der Test wird allgemein zum Nachweis verschiedener Ursachen von Störungen in der normalen Blutgerinnung verwendet. Eine Verlängerung der Thrombin Time kann als qualitativer Hinweis auf anormale Fibrinogen-Werte (hoch oder niedrig) geben, oder auf die Anwesenheit gerinnungshemmender Substanzen wie Fibrinogen-Abbauprodukte oder Heparin-Nachdosierung. Quantitative Bestimmung möglicher Ursachen einer verlängerten Thrombin Time sollte als Verdauungsstudie durchgeführt werden wie z. B. aPTT oder chromogener Heparin-Test, Fibrinogen-Bestimmung (Clausen), Bestimmung der Fibrinogen-Abbauprodukte (FDP), Heparin-Neutralisation mit Protamin-Sulfat oder Polybrene, Mischtests mit Normalplasma oder Reptilase-Test, um zwischen Hypofibrinogenämie und FDP-Effekten zu unterscheiden.

WARNHINWEISE UND VORSICHTSMASSNAHMEN

Dies in diesem Kit enthaltenen Reagenzien sind ausschließlich für die Verwendung von in-vitro-Diagnosen vorgesehen. NICHT VERSCHLUCKEN. Tragen Sie beim Umgang mit sämtlichen Komponenten des Kits geeignete Schutzmaßnahmen. Beachten Sie gegebenenfalls die Vorwarnung auf entzündende Gefahren und Vorbeugungsmaßnahmen in der Produktsicherheitsbescheinigung. Entsorgen Sie die Komponenten gemäß den örtlichen Vorschriften.

ZUSAMMENSETZUNG

Komponente	Inhalt	Beschreibung	Vorbereitung
Thrombin Time	10 x 1 mL (REF 5392H) 10 x 2 mL (REF 5392) 10 x 5 mL (REF 5377)	Jedes Fläschchen enthält eine lyophilisierte Zubereitung von Rinder-Thrombin mit Puffer und Stabilisatoren. Das rekonstituierte Reagenz enthält ± 10 NIH Einheiten/ml Thrombin. Das Reagenz sollte ein weißer lyophilisierter Pfropfen sein.	Reagenz mit der empfohlenen Menge destilliertem Wasser rekonstituieren. 1 mL - REF 5392H 2 mL - REF 5392 5 mL - REF 5377 5 Minuten stehen lassen, durch Umdrehen leicht mischen und in eine Plastikröhre überführen. Rekonstituiertes Reagenz sollte eine klare, farblose Flüssigkeit sein.

Jedes Kit enthält eine Gebrauchsanweisung.

ERFORDERLICHE, ABER NICHT MITGELIEFERTER ARTIKEL

Es kann jedes zur Durchführung der Thrombin Time geeignete, qualitative hochwertige mechanische, optomechanische oder foto-optische Gerät benutzt werden.

LAGERUNG, HALTBARKEIT UND STABILITÄT

Ungeöffnete Reagenzien sind unter der auf Verpackung oder Fläschchen angegebenen Lagerbedingungen bis zum aufgedruckten Verfallsdatum stabil.

Thrombin Rekonstituiertes Reagenz ist bei Lagerung bei -2°C bis -80°C 14 Tage, bei -20°C 1 Monat stabil. Rekonstituiertes Reagenz kann ebenfalls auf dem foto-optischen Gerät Sysmex CA1500 für bis zu 7 Tage aufbewahrt werden.

PROBENENTNAHME UND VORBEREITUNG

Nur Plastik oder Silikonassess verwenden. Blut (o Teile) sollte in 3,2% oder 3,8% Natriumcitrat als Antikoagulant (1 Teil) eingebracht werden. 15 Minuten bei 1500 g zentrifugieren und Plasma abspiegeln. Plasma bei -2°C oder -18°C bis -24°C lagern. Plasma sollte innerhalb von 4 Stunden verarbeitet oder tief gelagert (bei -20°C für 2 Wochen oder -70°C für 6 Monate gelagert werden). Vor dem Testen schnell bei -37°C aufheizen. Nicht länger als 5 Minuten bei -37°C lassen.

VORBEREITUNGSWEISE

- Blutproben gemäß den Anweisungen in "Probenentnahme und vorbereitung" entnehmen und vorbereiten.
- Kontrollplasma nach beigefügter Gebrauchsanweisung rekonstituieren.
- Test-Reagenz entsprechend der Rekonstitutionsanweisung in dem Abschnitt "Inhalt" vorbereiten.
- Alle Tests in Doppelreihen durchführen. Den Mittelwert der Gerinnungszeit für die Doppelreihe bis auf 0,1 Sekunden berechnen. Die einzelnen Werte sollten sich innerhalb $\pm 5\%$ des Mittelwerts befinden.

Manuelle Methode

- 0,2 mL Patienten- oder Kontrollplasma in jedes Röhrchen pipettieren.
- Bei 37°C 3 Minuten inkubieren.
- 0,1 mL Thrombin Time-Reagenz in jedes Röhrchen mit Patienten- oder Kontrollplasma pipettieren und gleichzeitig Stoppuhr starten.
- Die Zeit bis zur Gerinnungsbildung bis auf 0,1 Sekunden genau stoppen.

Automatisierte Methoden

Siehe die Bedienungsanleitung des entsprechenden Geräts für genaue Anweisungen oder wenden Sie sich an Helena Biosciences Europe für spezielle anwendungstechnische Hinweise.

INTERPRETATION DER ERGEBNISSE

Die Ergebnisse der Thrombin Time sollte bis auf 0,1 Sekunden genau angegeben werden. Der Normalbereich (gewöhnlich der Mittelwert von ± 2 Standardabweichungen) sollte von jedem Labor erstellt werden. Ergebnisse außerhalb des Normalbereichs sind als pathologisch zu bewerten, die weitere Tests erforderlich machen.

ENSCHEIDUNGSFÄHIGKEIT

Normalwerte für die Thrombin Time variieren je nach angewandter Technik von Labor zu Labor. Sehr wichtig dafür sind Methode der Gerinnungsreaktion, Temperatur, pH, Entnahmemethode, das verwendete Antikoagulant und Dauer und Art der Probenvorbereitung. Die Ergebnisse und Lagerungsbedingungen der Plasma-Proben sollten standardisiert sein und sorgfältig überprüft werden. Unerwartete Ergebnisse müssen durch weitere Untersuchungen bestätigt werden. Wie schon als Grund für eine verlängerte Thrombin Time angegeben hat ein Bericht darauf hingewiesen, dass viele systemische Amykoidose-Patienten mit Blutungsstörungen einen, (einen) Hemmstoff im Blut besitzen, der die Thrombin Time verlängert. Therapeutische Heparin-Spiegel können dazu führen, dass die Thrombin Time überhaupt nicht zur Gerinnungsbildung führt. Neutralisation mit Protamin-Sulfat oder Polybrene kann dabei abhelfen.

QUALITÄTSKONTROLLE

Jedes Labor muss für eine eigene Qualitätskontrolle sorgen. Vor jeder Testreihe mit Patientenproben müssen normale und pathologische Kontrollproben getestet werden, um eine zufrieden stellende Gerinnungsfähigkeit und Bedienung zu gewährleisten. Liegen die Kontrollen außerhalb des Normalbereichs, sind die Patientenergebnisse nicht zu verwenden.

In Verbindung mit diesem Produkt bietet Helena Biosciences Europe die folgenden Kontrollen an:

REF 5186 Routine Control N
REF 5187 Routine Control A
REF 5188 Routine Control SA

REFERENZWERTE

Referenzwerte können je nach Technik und verwendeter System von Labor zu Labor unterschiedlich sein. Aus diesem Grund sollte jedes Labor seine eigenen Referenzbereiche erstellen.

LEISTUNGSMERKMALE

Die folgenden Leistungsmerkmale wurden von Helena Biosciences Europe in ihrem Auftrag

Probe	n	Intra-assay-Präzision (sekunden)	CV (%)	Inter-assay-Präzision (sekunden)	CV (%)
Normale	10	12.5	1.43	1.29	1.29

LITERATURVERZEICHNIS

- Laposata et al. The Clinical Haemostasis Handbook, Yearbook Medical Publishers Inc., p219, 1989
- Thompson AR and Barker LA. Manual of Haemostasis and Thrombosis, 3rd Ed., F.A. Davis Co., p62, 1983
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- Gastineau DA et al. (1991) Inhibitor of the Thrombin Time in Systemic Amyloidosis: A Common Coagulation Abnormality, Blood, 77:2637-40

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9 OCTOBER

кровоного сгустка.

Тест-система «Иммуноанализ крови» содержит пять пробирок. Реагент может использоваться в качестве реактива исследования в иммунологическом и автоматическом приборах. Тест-система может применяться для определения резусов, источников плазмы и на основании специфичности крови. Увеличение времени свертывания пробирки может свидетельствовать о патологических изменениях в тканях фибриногена (фибринолиз). Фибрин или гемоглобин ингибируют ферменты, которые используются для измерения времени свертывания пробирки. Пробы могут выполняться в качестве послужилок исследований, таких как исследования АНТН при кроветворном исследовании на гемоглобин, определение фибриногена по Клаусу, определению продуктов распада фибрина, нейтрализации гемоглобина сульфидом натрия. Исследования для исследования на свертываемость крови. В качестве послужилок исследований для исследования на свертываемость крови. В качестве послужилок исследований для исследования на свертываемость крови. В качестве послужилок исследований для исследования на свертываемость крови.

ПРЕДУПРЕЖДЕНИЯ И МЕРЫ ПРЕДОСТОРОЖНОСТИ

Содержащиеся в данном наборе реагенты предназначены только для *in vitro* диагностики. НЕ ПРИМЕНЯТЬ ВНУТРИ. При работе со всеми компонентами набора использовать соответствующие средства индивидуальной защиты. В случае необходимости см. свидетельства о безопасности изделия для ознакомления с соответствующими описаниями опасного воздействия и сведениями о мерах предосторожности. Удаление компонентов в отходы производите в соответствии с местными правилами.

COCTAB

Состав	Содержимые набора	Описание	Приготовление
Тест-система "Трибуноное приним"	10 х 1 мл (Кат. № 5362Н) 10 х 2 мл (Кат. № 5369) 10 х 3 мл (Кат. № 5377)	Каждый флакон содержит лиофилизированный препарат из бычьего трибунона с буферным и стабилизатором. Восстановительный реагент содержит 10 мМ ЕДМ и трибунона. Реагент должен быть лиофилизированным трибуноном без пробка.	Восстановитель реагент с разведенным объемом стандартной 1 мл дил - Кат. № 5362Н 2 мл дил - Кат. № 5369 5 мл дил - Кат. № 5377 Дайте постоят 5 минут, затем осторожно перемешайте втулку

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В каждом наборе имеется инструкция по применению.

REORGANIZING THE COMPONENTS OF THE SYSTEM

Может использоваться любой фотооптический прибор, который может проверять время свертывания тромбопла.

ХРАНЕНИЕ, СРОК ГОДНОСТИ И УСТОЙЧИВОСТЬ

Неискрытые флаконы остаются стабильными до истечения срока годности при хранении в условиях, указанных на флаконе или этикетке набора.	
Тест-система «Трофиновое время»	Помещенный на хранение вакуумизированный реагент сохраняет стабильность в течение 14 дней при температуре от +2°-+8°С и в течение 1 месяца при -20°С.
	Срок хранения реагента в флуориметрической приборе Sysmex CA1500 не

- ОТБОР И ПОДГОТОВКА ОБРАЗЦОВ**
- Для работы следует использовать только пластиковые или силиконовые одноразовые пробирки. Кюветы (0,5 мл) забираются в пробирку с антикоагулянтом (цитрат натрия 3,2% или 3,8% (1 часть). Отделить плазму после центрифугирования при 1500 г в течение 15 минут. Плазму следует хранить при температуре "2 - 8°C" или "18 - 24°C". Искоруживать датчик: бить заперев в течение 4 часов после забора образца, либо плазму можно заморозить при -20°C. Хранить 2 недели в замороженном виде. При -70°C она может храниться в течение 6 месяцев. Рекомендуемая скорость при -73°C перед проведением исследования. Не держите более 5 минут при температуре "37°C".

на двух дубовых досках исследова-

1. С помощью пипетки поместите 0,2 мл плазмы пациента или контрольной плазмы в реакционную пробирку.
2. Инкубируйте 3 минуты при температуре 37°C.
3. С помощью пипетки поместите 0,1 мл тест-системы «Тромбиновое время» в реакционную пробирку, содержащую контрольную или плазmu, и тщательно перемешайте.

ВКЛЮЧИТЬ

Обратитесь к соответствующей инструкции по эксплуатации прибора за подробной информацией или обратитесь в компанию "Хелена Байосайенс Евраз" за получением специальной информации применительно к конкретному прибору.

Keywords: child sexual abuse; disclosure; legal system; victimization

ОГРАНИЧЕНИЯ

Ожидаются результаты исследования на тромбозовое время будут различными в разных лабораториях в зависимости от используемого метода. Метод флотационного определения температуры, pH, техника забора, тип антикоагулянта, время и способ хранения образцов оцениваются. Трудно обнаружить плазмы и типичные химические реакции быть трудноассайнированы и интерпретированы.

КОНТРОЛЬНЫЕ ВОПРОСЫ

Также как и для указанного случая увеличенного тромбоцитоза, в отчете указывается, что аналогичные пациенты с системным амилоидозом, осложненным кровотечениями, могут иметь

дозы гепарина

нейтрализация сульфатом протамины или полибором дально окислительных препаратов
время

КОНТРОЛЬ КАЧЕСТВА

Каждая лаборатория должна создать программу контроля качества. Нормализация контроля плазмы и контроля плазмы с отрицательными значениями тестирования перед каждой партией образцов плазмы пациентов для обеспечения равномерной работы прибора и лаборанта. Все контрольные образцы не дают ожидаемых результатов, результаты анализа образцов пациента считаются непригодными.

Компания "Хелена Байосайенс Еуро" предоставляет следующие контрольные образцы для использования в данном продукте:

Кат. № 5188 Контроль качества, норма

Kav. № 5183

- НОРМАЛЬНЫЕ ПОКАЗАТЕЛИ**
Контрольные значения могут быть различными в разных лабораториях, в зависимости от применяемых методов и систем. В связи с этим каждая лаборатория должна установить собственные показатели контрольных диапазонов.
- ЭКСПЛУАТАЦИОННЫЕ ХАРАКТЕРИСТИКИ**
Следующие рабочие характеристики были определены компанией "Хилена Байосайенсес Европи" по представлению:

Образец	Число образцов	скорость		скорость	
		Время свертывания (секунды)	CV (%)	Время свертывания (секунды)	CV (%)
использованный	10	12,5	1,43	12,5	1,29

ЛИТЕРАТУРА

1. Lupatelli A: *The Clinical Hemostasis Handbook*. Yearbook Medical Publishers Inc. #219, 1965
2. Thompson AR and Harker LA: *Manual of Hemostasis and Thrombosis*, 3rd Ed., F.A. Davis Co., Philadelphia, 1983
3. DeMott WR: *Laboratory Test Handbook*, 2nd Ed., Jacobs D.S. et al (Eds., Lexi-Comp Inc., #432-433, 1990
4. Clinical and Laboratory Standards Institute (2006) Collection, Transport and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Hemostasis Assays. Approved Guideline, 5th edn. CLSI: H21-A5
5. DeMott WR, et al: *Effect of Aspirin and Tissue Inhibitor of Metalloproteinase on Systemic Amyloidosis: A Common Gastrointestinal Abnormality*. *Blood* 77:2637-40



Всем заинтересованным лицам

Авторизационное письмо

Настоящим, мы, компания «HELENA LABORATORIES (UK) Ltd», торгующая как «HELENA BIOSCIENCES EUROPE», с центральным офисом по адресу: Queensway South, Team Valley Trading Estate, Gateshead, Tyne & Wear, NE11 0SD, Великобритания, подтверждает, что:

Компания "GBG-MLD" SRL, республика Молдова, г. Кишинёв, MD-2001, улица Chisinau Tighina, дом 65, офис 607 являются уполномоченными дистрибьюторами всей продукции компании «HELENA BIOSCIENCES EUROPE» на территории Республики Молдова и авторизована принимать участие во всех тендерах.

Компании "GBG-MLD" SRL имеет право импорта, продвижения и продажи выше перечисленной продукции на территории Республики Молдова.

Настоящее письмо действительно до 31 декабря 2020 года.

Дата: 22/01/2020


Дмитрий Александров
Директор по развитию бизнеса в странах СНГ, Европы и Азии.
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Fax +44 (0)191 482 8442

Info info@helena-biosciences.com
www www.helena-biosciences.com

Helena Laboratories (UK) Ltd trading as Helena Biosciences Europe. Registered in England: 1790207. ISO 13485

Training certificate

helena
Biosciences Europe

This is to certify that

Sergiu Sorocovici

from

IM Global Biomarketing Group

has received training on the following:

Electrophoresis products: SAS-1/2, V8

Haemostasis products: C-series, AC-4, AggRAM and reagents

Service training: AC-4

Signed:



Date: 31st October - 4th November 2011

Tel +44 (0)191 482 8440 info@helena-biosciences.com Queensway South, Team Valley Trading Estate,
Fax +44 (0)191 482 8442 techsupport@helena-biosciences.com Gateshead, Tyne and Wear NE11 1 OSD, United Kingdom

www.helena-biosciences.com

Instrument Training

ELITechGroup
VITAL

SCIENTIFIC

Vital Scientific BV hereby declares that the participant has attended a four days seminar for service engineers and the participant is now a certified engineer for the declared instruments.

Participant: Mr. A. Legun

Company: Global Biomarketing Group-Moldova SRL
Moldova

Instrument: Vitalab: XL Series
E Series
Junior Series
Dry ISE
Micro Series
ProXS

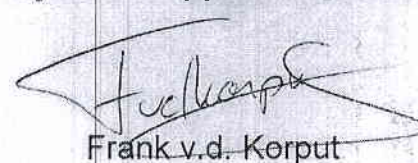
Date of training: April 20th – April 23rd, 2010

System Support Manager:



Jan Oostendorp

System Support Engineer:



Frank v.d. Korput

To: Whom it May Concern

Regulatory status of parts & accessories

As mentioned on the current Declarations of Conformity of our Clinical Chemistry Analyzers also the accessories conform to the provisions of the EU Directive on In Vitro Diagnostic Medical Devices (98/79/EC). This applies to the parts and accessories as mentioned in the attached list.

'IVD accessory' means an article which, whilst not being an IVD medical device, is intended specifically by its manufacturer to be used together with an IVD device to enable that IVD device to be used in accordance with its intended purpose.

ELITechGroup B.V.



Adriaan P. Intveld
Manager Quality Assurance & Regulatory Affairs

Part number	Description	IVD medical device	IVD accessory	general laboratory use	spare part	supporting part
1540-001	Anti-Slip sheet					✓
2206-007	Cooling Liquid (1 L)					✓
3062-021	Sample cup (1000 pcs)		✓			
3062-033	Sample tube 6 ml (500 pcs)					✓
3062-040	Water container 10 L					✓
3062-041	Water container 5 L					✓
3066-155	Syringe 100 µl		✓			
3066-156	Syringe 1 ml		✓			
3069-040	Keyboard Dust cover					✓
3069-047	Keyboard Dust cover					✓
3070-518	Cap holder					✓
3070-538	Cap rotor left					✓
3070-539	Cap rotor right					✓
3201-002	Dichromate 8 Abs (25ml)		✓			
3365-192	USB Stick					✓
3374-003	Main cable (USA)					✓
3374-039	Pumpunit cable		✓			
3374-066	Mains cable					✓
3374-097	Serial Null-modem cable					✓
3374-286	USB Extension cable					✓
4804-038	Reagent identification Disc					✓
6001-826	Diluted Waste container		✓			
6001-827	Concentrated Waste container		✓			
6001-860	Water container		✓			
6001-861	Tube assay (analyser)		✓			
6001-872	Tube assay (cooling unit)		✓			
6002-102	Assorter unit				✓	
6002-386	System software on CD		✓			
6002-706	Reaction Rotor set (3 pcs)		✓			
6002-726	System Disc		✓			
6002-817	Bottle 30 ml (20 pcs)		✓			
6002-818	Bottle 15 ml (20 pcs)		✓			
6002-904	Water container 5 L		✓			
6002-910	Assorter unit				✓	
6002-913	External tubing		✓			
6003-074	System software on USB stick		✓			
6003-444	Diluted Waste Container 5 L		✓			
6003-466	Keyboard Support option					✓
6003-797	CW Waste Container 2L		✓			
6003-808	Assorter unit				✓	

Declaration of conformity

Avantor Performance Materials Poland S.A. who is an established manufacturer of reagents and products for diagnostic in vitro located at:

Sowińskiego 11 Street
44-101, Gliwice
Poland

Herewith declares the following:

Reagents mentioned in attached list are labeled with J.T.Baker label, comply with the In Vitro Diagnostic Medical Devices Directive 98/79/EC and the requirements of ISO 13485 Standard.

This declaration is the basis for CE marking of the In Vitro Diagnostic Medical Devices.

The products are not part of List A and List B of Annex II of the IVD Directive 98/79/EC but are subject to self registration.

This declaration is valid for all the IVD medical devices described above and which are placed on the market by ourselves on or after the date hereof and which bear the CE marking.

Gliwice, Poland.

June 14, 2016

Anna Szuba
Quality Director

Deklaracja zgodności WE

Avantor Performance Materials Poland S.A. producent odczynników do diagnostyki in vitro zlokalizowany:

ul. Sowińskiego 11
44-101, Gliwice
Polska

Deklaruje zgodność odczynników wymienionych w załączonej liście oznakowanych etykietą J.T.Baker z wymaganiami Dyrektywy 98/79/WE Parlamentu Europejskiego i Rady w sprawie wyrobów medycznych używanych do diagnostyki in vitro oraz wymaganiami normy ISO 13485.

Powyższe odczynniki są oznakowane etykietą J.T.Baker i posiadają znaki CE na etykiecie.

Produkty nie są częścią wykazu A i wykazu B załącznika II Dyrektywy dla wyrobów medycznych do diagnostyki in vitro z Dyrektywy 98/79/WE Parlamentu Europejskiego i Rady, ale podlegają rejestracji.

Deklaracja obowiązuje dla wszystkich wyrobów medycznych do diagnostyki in vitro opisanych powyżej oraz wprowadzonych na rynek i posiadających oznakowanie CE.

Gliwice, Polska.

Czerwiec 14, 2016

A. Szuba
Anna Szuba
Dyrektor Jakości

Product	Product Number	Pack Size
H32 3-Part Differential	2983	1 unit
Diluid™ 100 Plus	3961	20 L
Diluid™ 22	2990.9010PC	10 L
Diluid™ 610	3969	20 L
Diluid™ Abacus	3430.9020	20 L
Diluid™ 9010	3430.9010	10 L
Diluid™ AG 900	3996	20 L
Diluid™ APR	3476.9020PC	20 L
Diluid™ Azide free	3957	20 L
Diluid™ III Diff	3963	20 L
Diluid™ Erma	3439.9020	20 L
Diluid™ Mindray	3439.9020PC	20 L
Diluid™ NR	3433.9020PC	20 L
Diluid™ Ruby	2987.9020PC	20 L
Diluid™ Sheath 3200-4000	3832.9020	20 L
Diluid™ ST1600/2000	3976	20 L
Sheath D	3495.9010PC	10 L
Sheath Fluid 3000/3500	3471.9020PC	20 L
CN-free Lyse Diff AC 900	3998	5 L
CyMet™ 22	2986.0500PE	500 ml
CyMet™ 3000	3489.9010PC	10 L
CyMet™ 3200 CN free	3823.1000	1 L
CyMet™ 3500	3839.5000PC	5 L
CyMet™ 3500 CN free	3825	5 L
CyMet™ 610 CN free	3970	10 L
CyMet™ Abacus CN free	3977	5 L
CyMet™ APR Baso II	3431.1000	1 L
CyMet™ APR CN free	3479.1000PE	1 L
CyMet™ APR CN free	3417.0500PE	500 ml
CyMet™ APR EO	3478.1000PE	1 L
CyMet™ ASA	2950.2500PE	3.8 L
CyMet™ ASB	2951.0250PE	380 ml
CyMet™ AS CN free	2952.9010PC	10 L
CyMet™ BS3 CN free	2982.0500PE	500 ml
CyMet™ III Diff	3964	5 L
CyMet™ III Diff CN free	3968	1 L
CyMet™ III Diff CN free	3511.1000	1 L
CyMet™ Erma	3416.0500	500 ml
CyMet™ H20	3853.1000	1 L
CyMet™ KX CN Free	3425.0500	500 ml
CyMet™ Micro	3852.1000	1 L
CyMet™ Micro CN free	3863.1000	1 L
CyMet™ Micro CN Free	3440.0500PE	500 ml
CyMet™ NR III	3484.1000PE	1 L
CyMet™ NR III CN Free	3486.1000PE	1 L
CyMet™ NR V	3485.1000PE	1 L
CyMet™ Ruby CN Free	2988.5000PC	5 L
CyMet™ ST 1600/2000 CN free	3759.5000	5 L
Leucolys	3475.5000PC	5 L
Leucolys Ruby	2989.5000PC	5 L
Blanking Solution 1600/2000	3947	20 L
DetectoTerge™	3763	5 L
DetectoTerge™ BS1	3766	1 L
DetectoTerge™ BS1	2970.0900PE	900 ml
ProClean™	3900	5 L
ProClean™ Abacus	3768.1000	1 L
ProClean™ Abacus	3432.5000	5 L
ProClean™ Abacus	3432.1000PE	1 L

ProClean™ CD	3902.0100PE	100 ml
ProClean™ Extra	3862.5000	5 L
ProClean™ Plus	3867.1000PE	1 L
Rinse Mindray	3901	100 ml
Rinse Mindray	3442.5000PE	5 L
8-Parameter Control L/N/H	3427/3428/3429	2.5 ml
8-Parameter Control L+N+H	3463/3464/3465	2.5 ml
8-Parameter Control 4xN	3746	3 x 2.5 ml
8-Parameter Control 1xL+4xN+1xH	3747	4 x 2.5 ml
8-Parameter Control extended L/N/H	3751	6 x 2.5 ml
8-Parameter Control extended L/N/H	3633/3634/3635	2.5 ml
3-Diff Control L/N/H	3433/3434/3435	2.5 ml
3-Diff Control 4xL	3502/3503/3504	4.5 ml
3-Diff Control 4xN	3466	4 x 2.5 ml
3-Diff Control 4xH	3467	4 x 2.5 ml
3-Diff Control extended L/N/H	3468	4 x 2.5 ml
BC-Diff 5 Control L/N/H	3421/3422/3423	2.5 ml
CD-Diff Control L/N/H	3613/3614/3615	3.0 ml
CD-Diff Control 2xL+2xN+2xH	3452/3453/3454	3.0 ml
K-Diff Control L/N/H	3838	6 x 3.0 ml
Platelet Control- Extended value	3455/3456/3457	2.5 ml
WBC Reduced RBC L/H	3424	5 x 3.0 ml
XE-Diff Control L/N/H	3698/3699	3.0 ml
XE-Diff Control L/N/H	3731/3732/3733	4.5 ml
Cervix Spray Fixative	3869.1200	12 x 125 ml
10% v/v Buffered Formaldehyde (4% w/v)	3933.1000	1 L
10% v/v Buffered Formaldehyde (4% w/v)	3933.5000PC	5 L
10% v/v Buffered Formaldehyde (4% w/v)	3933.9010	10 L
10% v/v Buffered Formaldehyde (4% w/v)	3933.9020	20 L
UltraClear™	3905.2500PE	2.5 L
UltraClear™	3905.5000PE	5 L
UltraClear™	3905.9010PE	10 L
Eosin-Y Alcoholic	3800.1000PE	1 L
Eosin-Y Alcoholic	3800.2500PE	2.5 L
Giemsa	3856.1000	1 L
Giemsa	3856.2500	2.5 L
Hematoxylin er (Mayer)	3870.1000	1 L
Hematoxylin er (Mayer)	3870.2500	2.5 L
Hematoxylin Modified (Harris, Gill II)	3873.1000	1 L
Hematoxylin Modified (Harris, Gill II)	3873.2500	2.5 L
May-Grünwald	3855.1000	1 L
May-Grünwald	3855.2500	2.5 L
Papanicolaou 2A	3554.1000PE	1 L
Papanicolaou 2A	3554.2500PE	2.5 L
Papanicolaou 2B	3555.1000PE	1 L
Papanicolaou 2B	3555.2500PE	2.5 L
Papanicolaou 3B	3556.1000PE	1 L
Papanicolaou 3B	3556.2500PE	2.5 L
UltraKit™	3921.0500	500 ml
UltraKit™	3921.0600	6 x 100 ml
Mounting medium High	3882.0500	500 ml
Mounting medium Low	3883.0500	500 ml
PBS	3059	20 L
PBS	3059.5010PC	10 L



To whom this may concern

Date: March 18, 2019

Letter of Authorization

Avantor Performance Materials Poland S.A., reg. No. 0000010108 who is an established manufacturer of Hematology- Reagents, Stains, Controls and Calibrators and products for Histology located at:

Sowińskiego 11
44-101 Gliwice
Poland

herewith confirms that:

I.M Global Biomarketing Group Moldova S.R.L
Republic of Moldova
MD-2001, Chisinau
Tighina str. 65, 607 office
Tel (373 22) 549 120, 549 121
Fax (373,22) 547 373

is authorized to act as our distributor for our hematology/histology reagents and controls (Products) in Moldova

We declare that we will supply the Products for the needs of tenders.
We declare that we will supply the Products for tenders with warranty as per the Avantor General Conditions of Sale.

Furthermore I.M Global Biomarketing Group is duly entitled to:

- Register, promote, offer, negotiate prices and sell our Products in Moldova;
- carry out the required product training of the medical and technical personnel who will use these products.

The product specialists of I.M Global Biomarketing Group have been duly trained and are qualified for providing all services in regards to consulting, sales, maintenance and training.

In all the above activities I.M Global Biomarketing Group is acting in its own name and on its own account.

This authorization letter is valid until about 1 year after date.

Avantor Performance Materials S.A.
Poland

A handwritten signature in black ink, appearing to read 'H van den Berg', with a stylized flourish underneath.

H van den Berg,
Marketing Product Manager Diagnostics

BUREAU VERITAS
Certification



Certificate

Awarded to

Avantor Performance Materials Poland S.A.

ul. Sowlińskiego 11, 44-101 GLIWICE
POLAND

Bureau Veritas Certification certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

STANDARD

ISO 9001:2015

SCOPE OF SUPPLY

SALES OF CHEMICAL SERVICES AND CHEMICAL PRODUCTS
INCLUDING FINE CHEMICALS, ENNOBLED CHEMICALS, HIGH
PURITY SOLVENTS, CHEMICAL SERVICES.

PRODUCTION AND TESTING OF CHEMICAL PRODUCTS INCLUDING
FINE CHEMICALS, ENNOBLED CHEMICALS AND HIGH PURITY SOLVENTS.

Certification Cycle Start Date: **15 September 2018**

*Subject to the continued satisfactory operation of the organisation's Management System,
this certificate is valid until:* **14 September 2021**

To check this certificate validity please call: +48 22 549 04 00

*Further clarification regarding the scope of this certificate and the applicability of the management system requirements
may be obtained by consulting the organisation.*

Issue Date: 29 June 2018

Certificate Number: **PL008875/P**



AC 081
QMS





Certificate of Completion

This is to certify

Mr. Alexei Legun

Has successfully completed

The technical maintenance training course

On

Fully Automatic Blood Cell Counter

PCE-210

Particle(Blood Cell)Counter

PCE-170/PCE-170N

Hemoglobin meter

Hb-20N

March 24, 2005



Hiroshi Shimosaka

President

ERMA INC.



Diluid* Erma

Intended use

Diluid* Erma is a specially filtered, non-sterile blood diluting fluid for use in cell counting and sizing.

The reagent is designed for automated instrumentation, capable to monitor a three-part WBC differential, based on the aperture impedance principle and electronically adjusted to operate at an osmolality of 330 ± 20 mOsm/kg. Diluid* Erma should be used in combination with CyMet* ERMA III Diff and Lyzerglobin* PCE.

Summary and principle

The reagent is used to dilute whole blood prior to counting and sizing of RBC, PLT and WBC. Content of the reagent maintains stability of RBC, PLT and WBC during counting.

Content: Diluid* Erma is water based and contains:

NaCl, Na₂SO₄, procaine HCl and preservatives in an inorganic buffer compound.

Warning and precautions

Harmful if swallowed. Avoid contact with eyes, skin and clothing.

Storage and stability: Diluid* Erma is stable for three years at 18-30°C.

Indications of deterioration

There are no visible deteriorations; otherwise the reagent shouldn't give optimised performance. The reagent can be used through out shelf life, giving optimised performance. No guarantees to reagent performance are given after the expiry date.

Instructions for use

Diluid* Erma should be used undiluted according to instrument manufacturer's instructions for use and should be connected as listed in the Operators manual. Reagent may be used with Hypochlorite 0.5% or Proclean* as a cleaning agent. Furthermore reagent may be used with next lysing reagents: with CyMet* ERMA III Diff and Lyzerglobin* PCE.

Pack size

REF 3459.9020 Diluid* Erma 20 litres cubitainer

Diluid* Erma

Destinația de utilizare

Diluid * Erma este o filtrată specială, diluarea de sange non-lichid steril, pentru utilizarea în celula de numărare și dimensionare.

Reactivul este conceput pentru instrumente automate, capabil să monitorizeze o perioadă de WBC trei-parte diferențial, bazat pe principiul impedanței.

Adaptat să funcționeze la o osmolaritate de 330 ± 20 mOsm / kg. Diluid * Erma ar trebui să fie utilizat în combinație cu CyMet * ERMA III-Diff și Lyzerglobin PCE *

Sumar și principiu

Reactivul se folosește pentru diluarea sângelui total înainte de numărarea și dimensionarea RBC, PLT și WBC. Conținutul de reactivi menține stabilitatea de RBC, PLT și WBC în timpul numărării.

Conținut: Diluid * Erma este pe bază de apă și conține:

NaCl, Na₂SO₄, procaină HCl și conservanți, într-un compus tampon anorganic.

Avertizare și măsuri de precauție:

Noctiv în caz de înghițire. Evitați contactul cu ochii, pielea și îmbrăcămintea.

Păstrarea și stabilitatea: Diluid* Erma este stabil pentru 3 ani la 18-30 °C.

Indicații de deteriorare

Nu există deteriorări vizibile.

Reactivul poate fi folosit după expirarea termenului de valabilitate, oferind performanțe optimizate. Nu există garanții de performanță la reactivii dați, cu data de expirare.

Instrucțiuni de utilizare

Diluid * Erma ar trebui să fie utilizat nediluat în conformitate cu instrucțiunile producătorului. Reactivul poate fi folosit cu Hipoclorit de 0,5% sau * Proclean ca agent de curățare. Mai mult ca atât, reactivul poate fi utilizat numai cu următorii reactivi de lizare: CyMet * ERMA III-Diff și Lyzerglobin PCE *.

Dimensiuni

REF 3459.9020 Diluid* Erma 20 litres cubitainer

ProClean*

Intended use

ProClean* is a specially filtered, non-sterile cleaning fluid for use in cleaning of cell counters.

The product is designed for semi-automated and automated instrumentation, capable to clean blood diluting parts of the instrument.

Summary and principle

The reagent is used to clean blood diluting parts prior to remove cell fragments from the instrument.

Content

ProClean* is water based and contains:

Proteolytic enzym, poly-oxy-ethylene-alkyl-alcohol, NaCl, Na₂SO₄ and preservatives in an inorganic buffer compound. ProClean Contains a purple inert dye.

Warning and precautions

Harmful if swallowed. Avoid contact with eyes, skin and clothing.

Storage and stability

ProClean* is stable for two years at 18-30°C.

Indications of deterioration

There are no visible deteriorations; otherwise the reagent shouldn't give optimised performance. The reagent can be used through out shelf life, giving optimised performance. No guarantees to reagent performance are given after the expiry date.

Instructions for use

ProClean* should be used undiluted according to instrument manufacturer's instructions for use and should be connected as listed in the Operators manual. Reagent may be used with all kinds of Diluids* and CyMet's*.

Pack size

REF 3900	ProClean*	5 litres cubitainer
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Avantor™ Performance Materials
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Tel: +31 (0)570 687500
The devices as mentioned in this sheet comply with the
in Vitro Diagnostic Medical Device Directive 98/79/EG

CyMet* Erma III Diff, Avantor

Utilizarea prevăzută

CyMet* Erma III Diff este un fluid de reacție pentru litiu de sânge, care este filtrat special, pentru utilizare în numărarea și dimensionarea celulelor.

Reactivul este proiectat pentru instrumente automate, capabile să monitorizeze un diferențial WBC cu trei părți, bazat pe principiul impedanței diafragmei. CyMet * Erma III Diff este, de asemenea, folosit pentru a analiza hemoglobina prin masuratori optice. CyMet * Erma III Diff trebuie utilizat în combinație cu Diluid * ERMA.

Rezumat și principiu

Reactivul este utilizat înainte de numărarea și dimensionarea WBC. Stratoliza reactivului RBC pentru a elibera hemoglobina înainte de a analiza prin măsurători optice și modifică WBC pentru numărare și dimensionare.

Continut:

CyMet * Erma III Diff este pe bază de apă și conține:

Compuși cuaternari de amoniu și KCN (<0,1%).

Atenție și măsuri de precauție

Daunator dacă e inghitit. Evitați contactul cu ochii, pielea și îmbrăcămintea.

Depozitare și stabilitate:

CyMet * Erma III Diff este stabil pentru doi ani la 18-30°C.

Indicații de deteriorare

Nu există deteriorări vizibile; în caz contrar reactivul nu ar trebui să ofere optimizarea performanță. Reactivul poate fi utilizat în timpul perioadei de valabilitate, oferind optimizare performanță. Nu există garanții privind performanța reactivului după data de expirare.

Instrucțiuni de folosire

CyMet * Erma III Diff trebuie utilizat în mod nediluat conform instrumentului instrucțiunile producătorului de utilizare și trebuie conectate conform instrucțiunilor din manualul de utilizare.

Reactivul poate fi utilizat cu Proclean * și Hipoclorit 0,5% ca agent de curățare.

În plus, reactivul poate fi utilizat cu Diluid * ERMA.

Manual de operatori.

Reactivul poate fi utilizat cu Proclean * și Hipoclorit 0,5% ca agent de curățare.

În plus, reactivul poate fi utilizat cu Diluid * ERMA.

Dimensiunea pachetului

REF 3460.0500 CyMet * Erma III Diff 500 ml flacon HDPE

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Hypochlorite 0.5%

Intended use

Hypochlorite 0.5% is a specially filtered, non-sterile cleaning fluid for use in cleaning of cell counters.

The reagent is designed for semi-automated and automated instrumentation, capable to clean blood diluting parts of the instrument.

Summary and principle

The reagent is used to clean blood diluting parts prior to remove cell fragments from the instrument.

Content

Hypochlorite 0.5% is water based and contains:

Sodium hypochlorite (0.5% active chlorine) and poly-oxy-ethylene-alkyl-alcohol.

Warning and precautions

Harmful if swallowed. Avoid contact with eyes, skin and clothing.

Storage and stability

Hypochlorite 0.5 % is stable for one year at 18-30°C.

Indications of deterioration

There are no visible deteriorations; otherwise the reagent shouldn't give optimised performance. The reagent can be used through out shelf life, giving optimised performance. No guarantees to reagent performance are given after the expiry date.

Instructions for use

Hypochlorite 0.5% should be used undiluted according to instrument manufacturer's instructions for use and should be connected as listed in the Operators manual.

Reagent may be used with all kinds of Diluids* and CyMet's*.

Pack size

REF 3917.1000 Hypochlorite 0.5% 1 liter bottle

REF 3917.5000 Hypochlorite 0.5% 5 liter bottle

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Ser de calibrare Control hematologic

Scopul utilizării

Laboratoare de hematologie clinice au nevoie de materiale pentru controlul calității procedurilor automate, semi- automate și manuale care măsoară parametrii de sânge integral. JT Baker parametri sau RETIC Controlale sunt controlate de hematologie pentru aceste proceduri. În timpul verificării și calibrării echipamentului, se va utiliza o analiză de sânge de la pacient, iar controlul v-a oferi valori ce trebuie să se încadreze în intervalul indicat pe foaia de test

Utilizarea de zi cu zi a acestor controlale va oferi informații cu privire la controlul calității, pentru a confirma precizia și acuratețea de funcționare a echipamentului.

Reactive

Controlale ale parametrilor conțin trombocite umane RBC stabilizate și fixe, leucocite remodelate pentru analiza diferențială pentru simularea WBC în plasmă cu conservanți

Nr. Ambalaj și stabilitatea flaconului deschis

8 Parameter Control pentru Coulter / Coulter ilke / Manually series

372	8 ml	3724	2.5 ml	4.5 ml	low	4 săptămâni
1						
372	8 ml	3725	2.5 ml	4.5 ml	norm	4 săptămâni
2						
372	8 ml	3726	2.5 ml	4.5 ml	high	4 săptămâni
3						

8 Parameter Control pentru Swelab series

392	low	4.5 ml	4 săptămâni	363	low	2.5 ml	4 săptămâni
2				3			
392	norm	4.5 ml	4 săptămâni	363	norm	2.5 ml	4 săptămâni
3				4			
392	high	4.5 ml	4 săptămâni	363	high	2.5 ml	4 săptămâni
4				5			

3 Diff Control pentru Coulter etc (cu opțiune III Diff.) series

373	low	2.5 ml	4	382	low	4.5 ml	4
4				0			
373	norm	2.5 ml	4	382	Norm	4.5 ml	4
5				1			
373	high	2.5 ml	4	382	High	4.5 ml	4
6				2			

3 Diff Control extended

363	low	2.5 ml	4	sapta	mini
0					
363	norm	2.5 ml	4	sapta	mini
1					
363	high	2.5 ml	4	sapta	mini
2					

K-Diff Ctrl for Swelab

389	low	2.5 ml	4	sapta	mini
6					
389	Norm	2.5 ml	4	sapta	mini
7					
389	high	2.5 ml	4	sapta	mini
8					

CA Diff Control for Medenic series

378	low	4.5 ml	4	sapta	mini
2					
378	norm	4.5 ml	4	sapta	mini
3					
378	high	4.5 ml	4	sapta	mini
4					

360	low	2.5 ml	4	sapta	mini
7					
360	norm	2.5 ml	4	sapta	mini
8					
360	high	2.5 ml	4	sapta	mini
9					

SD Controls (Coulter 5 part diff)

368	low	3 ml	3	sapta	mini
1					
368	norm	3 ml	3	sapta	mini
2					
368	high	3 ml	3	sapta	mini
3					

AC Diff Control for Swelab Series

389	low	2.5 ml	3	sapta	mini
2					
389	norm	2.5 ml	3	sapta	mini
3					
389	high	2.5 ml	3	sapta	mini
4					

ADV Reite for Advia 120

369	Level	4.0 ml	2	sapta	mini
0					
369	Level	4.0 ml	2	sapta	mini
1					
369	Level	4.0 ml	2	sapta	mini
2					

BC 5 for DIA 5 XE for SF for DR Diff

3613	3610	3731	3693	4.5 ml	3623 3	2	sapta	mini
3614	3611	3732	3694	4.5 ml	3623 3	2	sapta	mini
3615	3612	3733	3695	4.5 ml	3624 3	2	sapta	mini

CD 4K Reite for CD-4000

368	Level	3.0 ml	2	sapta	mini
7					
368	Level	3.0 ml	2	sapta	mini
8					

CD 3000series/4000 HumaCount SL

382	low	3 ml	2	sapta	mini
8					
382	norm	3 ml	2	sapta	mini
9					
383	high	3 ml	2	sapta	mini
0					
383	L/NH	2x3x3	2	sapta	mini
8					

WBC Reduced Ph Control

369	Low	3.0 ml	30 zile sau 21 cicluri
6			
369	High	3.0 ml	30 zile sau 21 cicluri
7			

WBC Reduced RBC Control

369	Low	3.0 ml	30 zile sau 21 cicluri
8			
369	High	3.0 ml	30 zile sau 21 cicluri
9			

Instrucțiuni de utilizare

- Scoateți controlul de la frigider și lăsați să se încălzească flacoanele la temperatura camerei (18-30 ° C) timp de 20 minute înainte de amestecare .
- Plasați controlul asupra unui mixer mecanic timp de 20 pe minute sau urmați pașii următori pentru a amesteca controlul în mod manual. **Important :- nu puneți flaconul pe o Vortex -mixer.**

- Țineți flaconul orizontal între palme . Rotiți flaconul înainte și înapoi timp de 30 de secunde și ușor inversați flaconul de 10 ori . Evitați agitare puternică. Continuați să amestecați în acest mod până când celele sunt suspendate complet și uniform suspendate.
- După amestecare, lăsați restul flaconului neagitat pentru aproximativ 15 secunde, pentru a permite ca bulele de aer să se disperseze. Răsturnați cu grijă flaconul de 10 ori imediat înainte de prelevare. Analizați controlul utilizând aceeași tehnică ca pentru o analiză a pacientului
- După prelevarea flacoanelor cu capac filetat, ștergeți cu grijă inelul flaconului, cu ajutorul unui tifon și schimbați capacul imediat după curățare
- După măsurare, plasați flacoanele înapoi în frigider timp de 30 minute, în poziție verticală

Depozitare și stabilitate

Dacă controalele nu sunt utilizate, atunci ele trebuie să fie păstrate în poziție verticală la temperatura de 2-8 ° C. **Dacă sunt păstrate corespunzător, controalele sunt stabile până la data expirării.**

Proceduri

Procedura pentru instrumente: preparați soluții de diluare și testare în conformitate cu instrucțiunile producătorului pentru probe. Faceți referire la valorile de dozare din gama produsului utilizat.

Procedura manuală : Metodele de referință pot fi aplicate la controale cu 8 parametri și controale 3-Diff. Faceți referire la manualul de proceduri clinice de laborator.

Rezultate așteptate

Valorile medii ale testelor și abaterile standard pentru fiecare parametru de control provin de la analizele reproduse pe instrumente calibrate și metodele manuale de referință. Valorile obținute de parametri până la data de expirare a controalelor trebuie să fie în limita intervalului așteptat. Variațiile datelor dintre mai multe analizatoare depind de calibrare, mentenanța, tehnicile de operare a instrumentelor sau a reagenților.

Valorile și intervalele pentru instrumente, care nu sunt menționate pe fișa de analiză, trebuie să fie stabilite de utilizator. Se recomandă efectuarea a cel puțin 5 analize consecutive, pe un instrument calibrat, pentru fiecare nivel a parametrului, ca să se stabilească media și deviațiile standard.

Avertizare și măsuri de precauție

Atenție :material potențial periculos.

Controlurile ale parametrilor sunt destinate pentru a fi utilizate exclusiv IN VITRO Diagnostic, de către personal instruit. Componentele sanguine umane, care sunt testate cu reagenți licențiați utilizați în controlul parametrilor nu intra în reacție cu HBsAg și anticorpi HIV. Nu sunt cunoscute metode de testare ce pot oferi o asigurare completă despre transmiterea bolilor infecțioase de la sângele uman. A nu se injecta sau a nu se consuma aceste controale. Evitați dozarea orală a probelor de sânge

Diluid* III Diff

Intended use

Diluid* Erma is a specially filtered, non-sterile blood diluting fluid for use in cell counting and sizing.

The reagent is designed for automated instrumentation, capable to monitor a three-part WBC differential, based on the aperture impedance principle and electronically adjusted to operate at an osmolality of 330 ± 20 mOsm/kg.

Summary and principle

The reagent is used to dilute whole blood prior to counting and sizing of RBC, PLT and WBC. Content of the reagent maintains stability of RBC, PLT and WBC during counting.

Content: Diluid* III Diff is water based and contains:

NaCl, Na_2SO_4 , procaine HCl and preservatives in an inorganic buffer compound.

Warning and precautions

Harmful if swallowed. Avoid contact with eyes, skin and clothing.

Storage and stability: Diluid* III Diff is stable for three years at 18-30°C.

Indications of deterioration

There are no visible deteriorations; otherwise the reagent shouldn't give optimised performance. The reagent can be used through out shelf life, giving optimised performance. No guarantees to reagent performance are given after the expiry date.

Instructions for use

Diluid* Erma should be used undiluted according to instrument manufacturer's instructions for use and should be connected as listed in the Operators manual. Reagent may be used with Hypochlorite 0.5% or Proclean* as a cleaning agent. Furthermore reagent may be used with next lysing reagents: with Cymet BS and Detectoterge BS.

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DetectoTerge* BS

Intended use

DetectoTerge* BS is a specially filtered, non-sterile cleaning fluid for use in cleaning of cell counters. The product is designed for automated instrumentation, capable to clean blood diluting parts of the instrument. Intended to be used in vitro for the examination of specimens derived from the human body.

In daily routine DetectoTerge* BS is connected to the instrument as an on-line cleaner.

Between every sample the blood aspiration path is cleaned with DetectoTerge* BS. DetectoTerge* BS should be used on the BeneSphera 3 part differential hematology analyzer.

Summary and principle

The reagent is used to clean blood diluting parts prior to remove cell fragments from the instrument.

The solution is isotonic and contains surface active components to remove remaining blood cells in the fluid path. It also contains a harmless green dye visualising the reagent in the tubing of the instrument.

Content

DetectoTerge* BS is water based and contains:

Poly-oxy-ethylene-alkyl-alcohol, NaCl, Na₂SO₄ and preservatives in an inorganic buffer compound.

Warning and precautions

Harmful if swallowed. Avoid contact with eyes, skin and clothing.

Storage and stability

DetectoTerge* BS is stable for three years at 18-30°C.

Indications of deterioration

There are no visible deteriorations; otherwise the reagent shouldn't give optimised performance. The reagent can be used throughout shelf life, giving optimised performance. No guarantees to reagent performance are given after the expiry date.

Instructions for use

DetectoTerge* BS should be used undiluted according to instrument manufacturer's instructions for use and should be connected as listed in the Operators manual.

Reagent may be used with Diluid* III Diff and CyMet* BS3 CN Free.

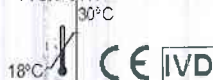
Pack size

REF 2970.0900PE

DetectoTerge* BS

900 millilitres HDPE bottle

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The devices as mentioned in this sheet comply with the
In Vitro Diagnostic Medical Device Directive 98/79/EG

CyMet BS3 CN Free

Utilizarea prevăzută

CyMet BS3 CN Free este un fluid de reacție pentru lizarea sângelui, care este filtrat special, pentru utilizare în numărarea și dimensionarea celulelor. Destinate pentru a fi utilizate in vitro pentru examinarea specimenelor derivate din corpul uman.

Reactivul este proiectat pentru instrumente automate, capabile să monitorizeze un diferențial WBC cu trei părți, bazat pe principiul impedenței diafragmei. CyMet BS3 CN Free este, de asemenea, folosit pentru analiza hemoglobinei prin măsurarea optică. CyMet BS3 CN Free trebuie utilizat în asociere cu Diluid III Diff pe analizorul de hematologie diferențială BeneSphera 3 part.

Rezumat și principiu

Reactivul este utilizat înainte de numărarea și dimensionarea WBC. Stratul de reactiv reacționează cu RBC pentru a elibera hemoglobina înainte de a-l analiza prin măsurători optice și modifică WBC pentru numărare și dimensionare.

Conținutul

CyMet BS3 CN Free este pe bază de apă și conține:

Compuși cuaternari de amoniu și un poli-oxi-etilen-alchil-alcool.

Atenție și măsuri de precauție

Daunător dacă e inghitit. Evitați contactul cu ochii, pielea și îmbrăcămintea.

Depozitare și stabilitate

CyMet BS3 CN Free este stabil pentru doi ani la 18-30 ° C.

Indicații de deteriorare

Nu există deteriorări vizibile; în caz contrar, reactivul nu trebuie să ofere performanțe optimizate.

Reactivul poate fi utilizat pe toată durata de valabilitate, oferind performanțe optimizate.

Nu există garanții privind performanța reactivului după data de expirare.

Instrucțiuni de folosire

CyMet BS3 CN Free trebuie folosit fără diluare în conformitate cu instrucțiunile producătorului și trebuie conectat conform instrucțiunilor din manualul de utilizare.

Reactivul poate fi folosit de DetecteTerge ca agent de curățare. În plus, se poate folosi reactiv cu Diluid III Diff.

Dimensiunea pachetului

REF 2982.0500PE CyMet BS3 CN Flacon de 500 ml liber

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BeneSphera™
3 PART
DIFFERENTIAL
Hematology Analyzer

 BeneSphera™ TRAINING

Mr / Ms

Sergiu Sorocovici

Global Biomarketing Group

str. Tighina 65, of. 607

2001 Chisinau, Moldau

has attended a 2-days training on goods manufactured or distributed by us.

April 12th – April 13th, 2012

Deventer, The Netherlands

Place, Date 13.04.2012



 **BeneSphera™**

AVANTOR™
PERFORMANCE MATERIALS



MINISTERIO DE SANIDAD, CONSUMO Y BIENESTAR SOCIAL

CERTIFICADO DE EXAMEN CE DE DISEÑO

de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE

in accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 04/12/2008

Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2008 12 0588 ED	Desde/From 19/11/2018 Hasta/To 18/11/2023	0318

A favor de /In favour of:

Fabricante/Manufacturer:

Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.

Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).

Representante autorizado ante la UE/Authorized EU representative:

Nombre/Name: Idem Dirección/Address: Idem

Para el producto/For the product:

Categoría/Category: Productos Sanitarios para Diagnóstico "In Vitro" / In Vitro Diagnostic Medical Devices

Grupo genérico/Generic group: Diagnóstico de enfermedades infecciosas / Diagnostic of infectious diseases

Tipo/Type: Especificados en Anexos de este Certificado/Specified in Annexes to this Certificate.

Elaborado en/In the facilities:

DIA, Pro Diagnostic Bioprobes S.r.l.

Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).

Este certificado debe ir acompañado por el certificado CE de Sistema de Garantía de Calidad Total N° 2003-12-0388-CT. This certificate must be accompanied by the EC-Full-Quality Assurance-System Certificate N° 2003 12 0388 CT.

Este certificado es consecuencia de la evaluación de la documentación técnica del diseño contenida en el expediente N° 2003 05 0240, y garantiza que el diseño de los productos descritos cumple los requisitos de la Directiva. This certificate is issued on the assessment of the design documentation contained in dossier N° 2003 05 0240, and guarantees that the design of the described products fulfil the requirements of the Directive.

Madrid, 19 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M^a Jesús Lamas Díaz

Firmado digitalmente por: Agencia Española de Medicamentos y Productos Sanitarios

Fecha de la firma: 19/11/2018

Puede comprobar la autenticidad del documento en la aplicación Localizador de la Web de la AEMPS

Página 1 de 2

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CERTIFICADO DE EXAMEN CE DE DISEÑO

de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

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PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 04/12/2008

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A favor de /In favour of:

Fabricante/Manufacturer:

Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.

Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).

Representante autorizado ante la UE/Authorized EU representative:

Nombre/Name: Idem Dirección/Address: Idem

Tipo de producto / Device type: Reactivos y productos reactivos, calibradores y materiales de control para el diagnóstico de enfermedades infecciosas / Reagents, and reagent products, calibrators and control materials for diagnostic of human infectious diseases.

Clasificación/Classification: Lista A, Anexo II / List A, Annex II

Reactivos y productos reactivos para la determinación, confirmación y cuantificación en muestras humanas de marcadores de infección por Hepatitis B, mediante técnicas de Inmunoabsorción enzimática (ELISA) / Reagents and reagent products for the determination, confirmation and quantification in human specimens of markers of Hepatitis B infection, by Enzyme-linked immunosorbent assay (ELISA) [NANDO: IVD 0203]

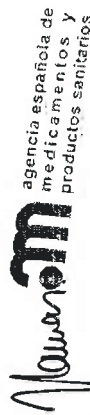
HRs Ag-antígeno ULTRA ELISA cualitativo / ELISA qualitative

- SAGIULTRA.CE (192 tests)
- SAGIULTRA.CE.96 (96 tests)
- SAGIULTRA.CE.480 (480 tests)
- SAGIULTRA.CE.960 (960 tests)
- SAGIULTRA.CE.DB (192 tests - for Dia Blood application)

Este certificado ampara todas las marcas de estos productos incluidas por el fabricante en su declaración de conformidad. / This certificate covers all trademarks of these products included by the manufacturer in his declaration of conformity.

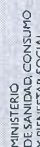
Madrid, 19 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M^a Jesús Lamas Díaz

Localizador: PDLDBAAG4



CERTIFICADO DE EXAMEN CE DE DISEÑO
de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE

In accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0390 ED	Desde/From 19/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:

Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.

Dirección/Address: Via G. Carducci, 27 - 20099 - Sesto San Giovanni - Milano (Italy).

Representante autorizado ante la UE/Authorized EU representative:

Nombre/Name: Idem Dirección/Address: Idem

Para el producto/For the product:

Categoría/Catégorie: Productos Sanitarios para Diagnóstico "In Vitro" / In Vitro Diagnostic Medical Devices

Grupo genérico/Generic group: Diagnóstico de enfermedades infecciosas / Diagnostic of infectious diseases

Tipo/Type: Especificados en Anexos de este Certificado/Specified in Annexes to this Certificate.

Elaborado en/In the facilities:

DIA, Pro Diagnostic Bioprobes S.r.l.

Via G. Carducci, 27 - 20099 - Sesto San Giovanni - Milano (Italy).

Este certificado debe ir acompañado por el certificado CE de Sistema de Garantía de Calidad Total N° 2003-12-0388-CT. This certificate must be accompanied by the EC Full-Quality-Assurance-System Certificate N° 2003 12 0388 CT.

Este certificado es consecuencia de la evaluación de la documentación técnica del diseño contenida en el expediente N° 2003 05 0240, y garantiza que el diseño de los productos descritos cumple los requisitos de la Directiva/ This certificate is issued on the assessment of the design documentation contained in dossier N° 2003 05 0240, and guarantees that the design of the described products fulfil the requirements of the

Directive.

Madrid, 19 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M^a Jesús Lamas Díaz

Firmado digitalmente por: Agencia Española de Medicamentos y Productos Sanitarios

Fecha de la firma: 19/11/2018

Localizador: 02Y02AG9D

Puede comprobar la autenticidad del documento en la aplicación Localizador de la Web de la AEMPS.

Página 1 de 2

CORREO ELECTRÓNICO

on0318@aemps.es

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ORGANISMO NOTIFICADO 0318

CERTIFICADO DE EXAMEN CE DE DISEÑO

de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE

In accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0390 ED	Desde/From 19/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:

Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.

Dirección/Address: Via G. Carducci, 27 - 20099 - Sesto San Giovanni - Milano (Italy).

Representante autorizado ante la UE/Authorized EU representative:

Nombre/Name: Idem Dirección/Address: Idem

Tipo de producto / Device type: Reactivos y productos reactivos, calibradores y materiales de control para el diagnóstico de enfermedades infecciosas / Reagents, and reagent products, calibrators and control materials for diagnostic of human infectious diseases.

Clasificación/Classification: Lista A, Anexo II / List A, Annex II

Reactivos y productos reactivos para la determinación, confirmación y cuantificación en muestras humanas de marcadores de infección por Hepatitis B, mediante técnicas de Inmunoabsorción enzimática (ELISA) Reagents and reactive products for the determination, confirmation and quantification in human specimens of markers of Hepatitis B infection, by Enzyme-linked immunosorbent assay (ELISA) [NANDO: IVD 0203]

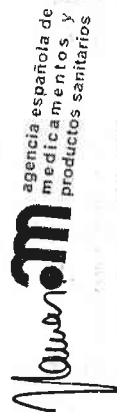
HBs Ab ELISA cualitativo-cuantitativo / ELISA qualitative-quantitative

- SAB-CE (96 tests)

Este certificado ampara todas las marcas de estos productos incluidas por el fabricante en su declaración de conformidad. / This certificate covers all trademarks of these products included by the manufacturer in his declaration of conformity.

Madrid, 19 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M^a Jesús Lamas Díaz

Firmado digitalmente por: Agencia Española de Medicamentos y Productos Sanitarios

Fecha de la firma: 19/11/2018

Localizador: 02Y02AG9D

Puede comprobar la autenticidad del documento en la aplicación Localizador de la Web de la AEMPS.

Página 2 de 2

CORREO ELECTRÓNICO

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ORGANISMO NOTIFICADO 0318

CERTIFICADO DE EXAMEN CE DE DISEÑO
de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE

in accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0393 ED	Desde/From 19/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:
Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:
Nombre/Name: Idem Dirección/Address: Idem

Para el producto/For the product:

Categoría/Category: Productos Sanitarios para Diagnóstico "In Vitro" / In Vitro Diagnostic Medical Devices
Grupo genérico/Generic group: Diagnóstico de enfermedades infecciosas / Diagnostic of infectious diseases
Tipo/Type: Especificados en Anexos de este Certificado/Specified in Annexes to this Certificate.

Elaborado en/In the facilities:

Dia, Pro Diagnostic Bioprobes S.r.l.
Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).

Este certificado debe ir acompañado por el certificado CE de Sistema de Garantía de Calidad Total N° 2003-12-0388 CT/ This certificate must be accompanied by the EC- Full-Quality-Assurance-System Certificate N° 2003 12 0388 CT.

Este certificado es consecuencia de la evaluación de la documentación técnica del diseño contenida en el expediente N° 2003 05 0240, y garantiza que el diseño de los productos descritos cumple los requisitos de la Directiva/ This certificate is issued on the assessment of the design documentation contained in dossier N° 2003 05 0240, and guarantees that the design of the described products fulfil the requirements of the Directive.

Madrid, 19 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS

Logo of the Agencia Española de Medicamentos y Productos Sanitarios

Fdo. M^a Jesús Lamas Díaz

CERTIFICADO DE EXAMEN CE DE DISEÑO
de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE

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PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0393 ED	Desde/From 19/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:
Nombre/Name: Dia, Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:
Nombre/Name: Idem Dirección/Address: Idem

Tipo de producto / Device type: Reactivos y productos reactivos, calibradores y materiales de control para el diagnóstico de enfermedades infecciosas / Reagents, and reagent products, calibrators and control materials for diagnostic of human infectious diseases.

Clasificación/Classification: Lista A, Anexo II / List A, Annex II

Reactivos y productos reactivos para la determinación, confirmación y cuantificación en muestras humanas de marcadores de infección por Hepatitis D, mediante técnicas de Inmunoabsorción enzimática (ELISA) / Reagents and reactive products for the determination, confirmation and quantification in human specimens of markers of Hepatitis D infection, by Enzyme-linked immunosorbent assay (ELISA) [NANDO: IVD 0203]

HDV-Ab ELISA cualitativo / ELISA qualitative

- DAB-CE (96 tests)

Este certificado ampara todas las marcas de estos productos incluidas por el fabricante en su declaración de conformidad. / This certificate covers all trademarks of these products included by the manufacturer in his declaration of conformity.

Madrid, 19 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS

Logo of the Agencia Española de Medicamentos y Productos Sanitarios

Fdo. M^a Jesús Lamas Díaz



MINISTERIO
DE SANIDAD, CONSUMO
Y BIENESTAR SOCIAL



CERTIFICADO DE EXAMEN CE DE DISEÑO
de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE

in accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0391 ED	Desde/From 26/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:

Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:

Nombre/Name: Idem Dirección/Address: Idem

Para el producto/For the product:

Categoría/Category: Productos Sanitarios para Diagnóstico "In Vitro" / In Vitro Diagnostic Medical Devices
Grupo genérico/Generic group: Diagnóstico de enfermedades infecciosas / Diagnostic of infectious diseases
Tipo/Type: Especificados en Anexos de este Certificado/Specified in Annexes to this Certificate.

Elaborado en/In the facilities:

DIA, Pro Diagnostic Bioprobes S.r.l.
Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).

Este certificado debe ir acompañado por el certificado CE de Sistema de Garantía de Calidad Total N° 2003-12-0388-CT. This certificate must be accompanied by the EC-Full Quality Assurance-System Certificate N° 2003 12 0388 CT.

Este certificado es consecuencia de la evaluación de la documentación técnica del diseño contenida en el expediente N° 2003 05 0240, y garantiza que el diseño de los productos descritos cumple los requisitos de la Directiva. This certificate is issued on the assessment of the design documentation contained in dossier N° 2003 05 0240, and guarantees that the design of the described products fulfil the requirements of the

Directive.

Madrid, 23 de noviembre de 2018
DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M^a Jesús Lamas Díaz

Firmado digitalmente por: Agencia Española de Medicamentos y Productos Sanitarios

Fecha de la firma: 2018/12/01

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CORREO ELECTRÓNICO
on0318@aeamps.es

Página 1 de 2

ORGANISMO NOTIFICADO 0318

Localizador: RP3FC-IG870

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Fax: (+34) 91 822 52 85



CERTIFICADO DE EXAMEN CE DE DISEÑO
de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE

in accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0391 ED	Desde/From 26/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:

Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:

Nombre/Name: Idem Dirección/Address: Idem

Tipo de producto / Device type: Reactivos y productos reactivos, calibradores y materiales de control para el diagnóstico de enfermedades infecciosas / Reagents, and reagent products, calibrators and control materials for diagnostic of human infectious diseases.

Clasificación/Classification: Lista A, Anexo II / List A, Annex II

Reactivos y productos reactivos para la determinación, confirmación y cuantificación en muestras humanas de marcadores de infección por Hepatitis B, mediante técnicas de Inmunoabsorción enzimática (ELISA)/ Reagents and reactive products for the determination, confirmation and quantification in human specimens of markers of Hepatitis B infection, by Enzyme-linked immunosorbent assay (ELISA)
[NANDO: IVD 0203]

HBc AB ELISA cualitativo / ELISA qualitative

- BCAB.CE (96 tests)

Este certificado ampara todas las marcas de estos productos incluidas por el fabricante en su declaración de conformidad. / This certificate covers all trademarks of these products included by the manufacturer in his declaration of conformity.

Madrid, 23 de noviembre de 2018
DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M^a Jesús Lamas Díaz

Firmado digitalmente por: Agencia Española de Medicamentos y Productos Sanitarios

Fecha de la firma: 2018/12/01

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CORREO ELECTRÓNICO
on0318@aeamps.es

Página 2 de 2

ORGANISMO NOTIFICADO 0318

Localizador: RP3FC-IG870

C/ CAMPEZO, 1 - EDIFICIO B
28022 MADRID

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Fax: (+34) 91 822 52 85



CERTIFICADO DE EXAMEN CE DE DISEÑO
de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE
in accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 15/03/2004
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2004 03 0425 ED	Desde/From 26/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:
Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099 - Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:
Nombre/Name: Idem Dirección/Address: Idem

Para el producto/For the product:

Categoría/Category: Productos Sanitarios para Diagnóstico "In Vitro" / *In Vitro Diagnostic Medical Devices*
Grupo genérico/Generic group: Diagnóstico de enfermedades infecciosas / *Diagnostic of infectious diseases*
Tipo/Type: Especificados en Anexos de este Certificado / *Specified in Annexes to this Certificate.*

Elaborado en/In the facilities:

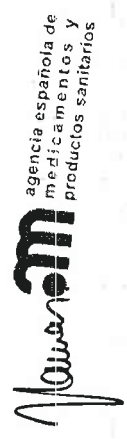
DIA, Pro Diagnostic Bioprobes S.r.l.
Via G. Carducci, 27 - 20099 - Sesto San Giovanni - Milano (Italy).

Este certificado debe ir acompañado por el certificado CE de Sistema de Garantía de Calidad Total N° 2003-12-0388-CT/ This certificate must be accompanied by the EC Full-Quality Assurance-System Certificate N° 2003 12 0388 CT.

Este certificado es consecuencia de la evaluación de la documentación técnica del diseño contenida en el expediente N° 2003 05 0240, y garantiza que el diseño de los productos descritos cumple los requisitos de la Directiva. This certificate is issued on the assessment of the design documentation contained in dossier N° 2003 05 0240, and guarantees that the design of the described products fulfil the requirements of the Directive.

Madrid, 23 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. Mª Jesús Lamas Díaz

CERTIFICADO DE EXAMEN CE DE DISEÑO
de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE
in accordance with Annex IV, Section 4, Directive 98/79/EC

PRÓRROGA/EXTENSION — Fecha inicial/ Initial date: 15/03/2004
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2004 03 0425 ED	Desde/From 26/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:
Nombre/Name: DIA, Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099 - Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:
Nombre/Name: Idem Dirección/Address: Idem

Tipo de producto / Device type: Reactivos y productos reactivos, calibradores y materiales de control para el diagnóstico de enfermedades infecciosas / *Reagents, and reagent products, calibrators and control materials for diagnostic of human infectious diseases.*

Clasificación/Classification: Lista A, Anexo II / *List A, Annex II*

Reactivos y productos reactivos para la determinación, confirmación y cuantificación en muestras humanas de marcadores de infección por Hepatitis B, mediante técnicas de Inmunoabsorción enzimática (ELISA) / *Reagents and reagent products for the determination, confirmation and quantification in human specimens of markers of Hepatitis B infection, by Enzyme-linked immunosorbent assay (ELISA)*
[NANDO: IVD 0203]

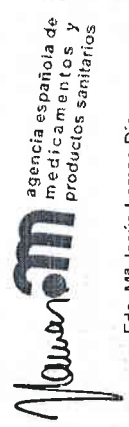
HBe Ag & Ab ELISA cualitativo / *ELISA qualitative*

- HBE-CE (96 tests)

Este certificado ampara todas las marcas de estos productos incluidas por el fabricante en su declaración de conformidad. / *This certificate covers all trademarks of these products included by the manufacturer in his declaration of conformity.*

Madrid, 23 de noviembre de 2018

DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. Mª Jesús Lamas Díaz



MINISTERIO DE CONSUMO Y BIENESTAR SOCIAL

CERTIFICADO DE EXAMEN CE DE DISEÑO de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE in accordance with Annex IV, Section 4, Directive 98/79/EC
PRORROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
Fecha de última prórroga/ Last extension date: 27/11/2013

Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0392 ED	Desde/From 19/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:
Nombre/Name: DIA. Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:
Nombre/Name: Idem Dirección/Address: Idem

Para el producto/For the product:

Categoría/Category: Productos Sanitarios para Diagnóstico "In Vitro" / In Vitro Diagnostic Medical Devices
Grupo genérico/Generic group: Diagnóstico de enfermedades infecciosas / Diagnostic of infectious diseases
Tipo/Type: Especificados en Anexos de este Certificado/Specified in Annexes to this Certificate.

Elaborado en/In the facilities:

DIA. Pro Diagnostic Bioprobes S.r.l.
Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).

Este certificado debe ir acompañado por el certificado CE de Sistema de Garantía de Calidad Total N° 2003-12-0388-CT/ This certificate must be accompanied by the EC Full-Quality Assurance-System Certificate N° 2003 12 0388 CT.

Este certificado es consecuencia de la evaluación de la documentación técnica del diseño contenida en el expediente N° 2003 05 0240, y garantiza que el diseño de los productos descritos cumple los requisitos de la Directiva/ This certificate is issued on the assessment of the design documentation contained in dossier N° 2003 05 0240, and guarantees that the design of the described products fulfil the requirements of the Directive.

Madrid, 19 de noviembre de 2018
DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M.ª Jesús Lamas Díaz

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Fecha de la firma: 19/11/2018
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[CORREO ELECTRONICO] on0318@aemps.es
Página 1 de 2
ORGANISMO NOTIFICADO 0318
Localizador: B6B6E02C506
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Fax: (+34) 91 822 52 93



CERTIFICADO DE EXAMEN CE DE DISEÑO de acuerdo con el Anexo IV, punto 4, de la Directiva 98/79/CE

EC DESIGN-EXAMINATION CERTIFICATE in accordance with Annex IV, Section 4, Directive 98/79/EC
PRORROGA/EXTENSION — Fecha inicial/ Initial date: 11/12/2003
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Certificado n°/Certificate no	Fecha de validez/Date of validity	ON n°/NB no
2003 12 0392 ED	Desde/From 19/11/2018 Hasta/To 18/11/2023	0318

A favor de/In favour of:

Fabricante/Manufacturer:
Nombre/Name: DIA. Pro Diagnostic Bioprobes S.r.l.
Dirección/Address: Via G. Carducci, 27 - 20099- Sesto San Giovanni - Milano (Italy).
Representante autorizado ante la UE/Authorized EU representative:
Nombre/Name: Idem Dirección/Address: Idem

Tipo de producto / Device type: Reactivos y productos reactivos, calibradores y materiales de control para el diagnóstico de enfermedades infecciosas / Reagents, and reagent products, calibrators and control materials for diagnostic of human infectious diseases.

Clasificación/Classification: Lista A, Anexo II / List A, Annex II

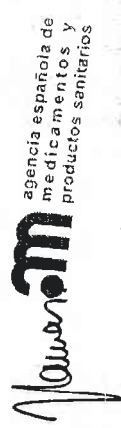
Reactivos y productos reactivos para la determinación, confirmación y cuantificación en muestras humanas de marcadores de infección por Hepatitis C, mediante técnicas de Inmunoabsorción enzimática (ELISA) / Reagents and reactive products for the determination, confirmation and quantification in human specimens of markers of Hepatitis C infection, by Enzyme-linked immunosorbent assay (ELISA)
[NANDO: IVD 0203]

HCV-Ab ELISA cualitativo / ELISA qualitative

- CVABCE (192 tests)
- CVABCE.96 (96 tests)
- CVABCE.480 (480 tests)
- CVABCE.960 (960 tests)
- CVABCE.DB (192 tests - for Dia-Blood application)

Este certificado ampara todas las marcas de estos productos incluidas por el fabricante en su declaración de conformidad. / This certificate covers all trademarks of these products included by the manufacturer in his declaration of conformity.

Madrid, 19 de noviembre de 2018
DIRECTORA DE LA AGENCIA ESPAÑOLA DE MEDICAMENTOS Y PRODUCTOS SANITARIOS



Fdo. M.ª Jesús Lamas Díaz

Firmado digitalmente por: Agencia Española de Medicamentos y Productos Sanitarios
Fecha de la firma: 19/11/2018
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Página 2 de 2
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Dia.Pro
Diagnostic
Bio**Probes**

Letter of Authorization

We, "Dia.Pro Diagnostic Bioprobes S.r.l." located at Via G. Carducci, Nr. 27 – Sesto San Giovanni (Milan) 20099, Italy, authorize

GLOBAL BIOMARKETING GROUP – MOLDOVA SRL
Str. Tighina 65, Oficiu 607
MD-2001 CHISINAU
REP. MOLDOVA

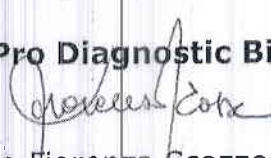
as our **exclusive distributor for the territory of the Republic of Moldova**, to participate in various tenders with **Dia.Pro ELISA** products.

We, Dia.Pro Diagnostic Bioprobes S.r.l shall supply our distributor GLOBAL BIOMARKETING GROUP – MOLDOVA SRL with all products in strict compliance with the existing "Distribution Agreement" rev.0117 valid until 31-Dec-2020, with possibility of renewal upon agreement between both parties for an additional period.

Dia.Pro Diagnostic Bioprobes S.r.l will grant the supply of all awarded tenders until their natural expiry, of which a documental proof has to be provided to Dia.Pro by the distributor GLOBAL BIOMARKETING GROUP – MOLDOVA SRL.

Sincerely yours,

Date: **Milan, 31-January-2018**

Dia.Pro Diagnostic Bioprobes S.r.l.
DIA.PRO.
 **DIAGNOSTIC BIOPROBES S.r.l.**

Dr.ssa Fiorenza Scozzesi
Legal Representative