

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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Thromboplastin L

Istruzioni per l'uso

SCOPO PREVISTO

Il test Thromboplastin L è concepito per la valutazione di dosaggi di emostasi basati...

AVVERTENZE E PRECAUZIONI
I reagenti contenuti in questo kit sono destinati esclusivamente alla diagnostica...

COMPOSIZIONE

Table with 4 columns: Componente, Contiene, Descrizione, Preparazione

Ogni kit contiene un'instruzione particolare. Ogni kit contiene un inserto rapido a colori di riferimento specifico per il lotto.

MATERIALI NECESSARI MA NON IN DOTAZIONE

In combinazione con il Thromboplastin L è possibile utilizzare i seguenti prodotti:

CONSERVAMENTO, VITALETTI E STABILITÀ
I reagenti non sono stati fatti alla data di scadenza indicata se conservati...

RACCOLTA E PREPARAZIONE DEI CAMPIONI
Nel corso di preparazione è necessario utilizzare plastica e vetro sterilizzati...

PROCEDURA
Per un rilevamento accurato dell'INR è raccomandato di utilizzare 100 microlitri...

Metodo Automatico
Per il calcolo il risultato utile dello strumento applicato per infusione...

INTERPRETAZIONE DEI RISULTATI
I risultati devono essere indicati con un'arrotondatura a 0,1 secondi e la precisione...

LIMITAZIONI
Si consiglia l'impiego di diluitori basati su un plasma di riferimento per la curva...

CONTROLLO QUALITÀ
Ogni laboratorio deve definire un programma di controllo qualità. I plasma di controllo...

VALORI DI RIFERIMENTO
Per la accuratezza dei risultati è necessario che il sistema sia monitorato continuamente...

CARATTERISTICHE PRESTAZIONALI
Le seguenti caratteristiche prestazionali sono state determinate su plasma di riferimento...

Riproducibilità
Campione Routine Controli N Routine Controli SA Routine Controli SA

Interferenze
Hemolisi: non risulta essere stata significativamente influenzata da emolisi da 100 µg...

Compravento del miscelo
La comparazione del tempo di coagulazione e i valori INR si riferiscono con Thromboplastin L...

BIBLIOGRAFIA
1. Quick AJ (1935) A Study of the Coagulation Defect in Hemophilia and Jaundice...

it

Thromboplastin L

Istruzioni di uso

USO PREVISTO

Il test Thromboplastin L, es. realizar ensayo de hemostasia basados en la coagulación...

AVVERTENZE Y PRECAUCIONES
Los reactivos que contiene este kit son destinados exclusivamente a la diagnostica...

COMPOSICIÓN

Table with 4 columns: Componente, Contiene, Descripción, Preparación

Cada kit contiene instrucciones de uso. Cada kit contiene un inserto rápido de referencia específico para el lote.

ARTÍCULOS NECESARIOS NO SUMINISTRADOS

Los siguientes productos se puede utilizar junto con el Thromboplastin L:

ALMACENAMIENTO, CUIDADO Y ESTABILIDAD
Los reactivos no deben ser sometidos hasta la fecha de caducidad indicada cuando se conservan...

RECOLECCIÓN Y PREPARACIÓN DE LAS MUESTRAS
Debe usarse siempre plástico y vidrio esterilizados. Debe incorporarse sangre (o plasma) en el anticoagulante...

PROCEDIMIENTO
Para la comunicación exacta del INR, se recomienda determinar la INR mediante el laboratorio de destino...

Metodo Automatizado
Conecte el módulo del usuario del instrumento adecuado para instrucciones detalladas o póngalo en contacto...

INTERPRETACIÓN DE LOS RESULTADOS
Los resultados deben comunicarse con los 0,1 segundos más próximos y las pruebas duplicadas deben estar de acuerdo...

LIMITACIONES
El uso de diluidores basados en un plasma de referencia para la curva de INR no se recomienda...

CONTROL DE CALIDAD
Cada laboratorio debe establecer un programa de control de calidad. Los controles positivos y negativos deben...

VALORES DE REFERENCIA
Los valores de referencia pueden variar entre los laboratorios dependiendo de las técnicas y métodos usados...

CARACTERÍSTICAS FUNCIONALES
Las siguientes características de rendimiento han sido determinadas por Helena Biosciences Europe o sus...

Riproducibilidad
Routine Controli N Routine Controli SA Routine Controli SA

Interferencias
Hemolisi: no hay interferencias significativas de hemolisis en concentraciones de hasta 0,5 g/L...

Compravento del miscelo
La comparación del tiempo de coagulación y los valores INR se refieren con Thromboplastin L...

BIBLIOGRAFÍA
1. Quick AJ (1935) A Study of the Coagulation Defect in Hemophilia and Jaundice...

ES

Test-sistema "Жидкий тромбопластин"

ИНСТРУКЦИЯ

НАЗНАЧЕНИЕ

Выявляет антифibrинный фибринолитический тест для определения протромбинового времени...

ПРЕДУПРЕЖДЕНИЯ И МЕРЫ БЕЗОПАСНОСТИ
Содержимое в данном наборе относится к препаратам класса II по опасности - НЕ ПРИНИМАТЬ...

СОСТАВ

Table with 4 columns: Количество, Состав набора, Описание, Предостережения реагентов

Каждый набор содержит инструкцию по применению. Вкладыш с указанием референсных значений к различным анализаторам и методам исследования...

НЕОБХОДИМЫЕ КОМПОНЕНТЫ И ВЫКЛЮЧЕНИЕ В КОМПЛЕКТ ПОСТАВИТЬ

Продукция, которая может использоваться вместе с Test-системой "Тромбопластин":

ХРАНЕНИЕ, СРОК ГОДНОСТИ И УСТОЙЧИВОСТЬ
Исходные флаконы с реагентами должны быть защищены от света и храниться на темном...

ОТБОР И ПОДГОТОВКА ОБРАЗЦОВ
Для работы следует использовать только плазматический или сывороточный плазматический образцы...

ПРОЦЕДУРА
Для установления точности работы МНО необходимо проводить калибровку системы...

Автоматизированный метод
Для проведения тестирования на автоматических анализаторах, необходимо обратиться к руководству...

ИНТЕРПРЕТАЦИЯ РЕЗУЛЬТАТОВ
Результаты должны быть представлены с точностью до 0,1 секунды и округлены в сторону увеличения...

ОГРАНИЧЕНИЯ
Для получения точных значений (INR) от внешних лабораторий не рекомендуется использовать скрининг...

КОНТРОЛЬ КАЧЕСТВА
Каждый лаборатория должна установить программу контроля качества. При этом необходимо каждый раз...

НОРМАЛЬНЫЕ ПОКАЗАТЕЛИ
Референсные значения могут варьироваться между лабораториями в зависимости от используемых методов...

ЭКСПЛУАТАЦИОННЫЕ ХАРАКТЕРИСТИКИ
Компания Helena или ее дистрибуторы предлагают следующие референсные значения для автоматических анализаторов...

Сводная таблица
Таблица со столбцами: Контроль качества, норма, Контроль качества, усредненно выраженный патология, Контроль качества, высокая патология

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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
5376R	Clauss Fibrinogen 100	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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SAFETY DECLARATION

Product Description	Clauss Fibrinogen 100
Product Code	5376R

The product as received is an IVD kit containing the following materials:

Product Code	Product Description	SDS Product Identifier
HL-3-0606SA	Thrombin: 100 NIH/mL 2 mL	HL-6-0695MS
HL-3-2421SA	Imidazole Buffer 25 mL	HL-6-1081MS
HL-3-1110SA	Fibrinogen Calibrator 1 mL	N/A
HL-3-2115SA	Kaolin Suspension: 0.5 g/L 5 mL	N/A

Each material has been assessed for the chemicals used in its manufacture. Please refer to the table above for the SDS of materials that contain hazardous materials at a concentration that requires hazard warnings to be applied to the label and/or hazard statement.

If the product contains additional materials which were found to contain no hazardous substances or contain them at concentrations or quantities less than those requiring classification under EU regulation 453/2010 or EU regulation 1272/2008, these are defined as not applicable (N/A).

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Declaration of Conformity

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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

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HL-7-0138DC 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
5187	Routine Control A	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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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.

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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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HL-7-0136DC DOI 2015/07 (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
5185	Calibration Plasma	55995

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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Product Code	Description	GMDN Classification Code
5504R	Calibration Plasma	55995

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: 30 Jul 2015

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SAFETY DECLARATION

Product Description	Calibration Plasma
Product Code	5504R

The product as received is an IVD kit containing the following materials:

Product Code	Product Description
HL-3-1435SA	PT Calibrant 1 1mL
HL-3-1436SA	PT Calibrant 2 1mL
HL-3-1437SA	PT Calibrant 3 1mL
HL-3-1438SA	PT Calibrant 4 1mL

Each material has been assessed for the chemicals used in its manufacture and has been found to contain **either** no hazardous substances **or** contain them at concentrations or quantities less than those requiring classification under EU regulation 453/2010 or EU regulation 1272/2008.

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INTENDED PURPOSE

The Calibration Plasma set is intended for use with Thromboplastin LI for the following purposes:

- Establish a %PT Calibration Curve.
- Establish an INR Reference Curve for the direct INR determination of a patient sample.
- Establish specific ISI and MNPT values for the system, reagent and instrument, used by the laboratory.

WARNINGS AND PRECAUTIONS

DO NOT INGEST. The reagents contained within this kit are intended for in-vitro diagnostic use only. Wear gloves when handling all kit components. Plasma products have been screened and found negative for the presence of Hepatitis B surface antigen (HbsAg), HIV 1 and 2 antibody and HCV antibody; however they should be regarded as potentially infectious and handled and disposed with appropriate care in compliance with local regulation.

COMPOSITION

The Calibration Plasma set contains 4 PT Calibrants for standardising the PT test. The plasmas are prepared from pooled normal human plasmas. PT Calibrant 1 simulates normal human plasmas, PT Calibrant 2, PT Calibrant 3 and PT Calibrant 4 simulate a range of plasma pathologies and are prepared through the absorption of clotting factors. The assigned values for each of the plasma are indicated on the insert sheet expressed as %PT and INR. The values are intended for use with Thromboplastin LI and are instrument/instrument series specific.

- 1 x 1 mL – PT Calibrant 1
- 1 x 1 mL – PT Calibrant 2
- 1 x 1 mL – PT Calibrant 3
- 1 x 1 mL – PT Calibrant 4

PREPARATION

Reconstitute with 1.0 mL of distilled or deionized water, allow the vial to stand for 15 minutes and mix gently before use to allow complete dissolution. **DO NOT SHAKE.**

STORAGE AND SHELF-LIFE

Unopened vials should be stored at 2-8 °C and are stable until the expiration date stated on the labels. Reconstituted plasma must be used within 1 hour.

TEST PROCEDURE

The reconstituted plasmas should be treated in the same way as patient samples following normal instrument and thromboplastin protocols.

INTERPRETATION OF THE RESULTS

Establishing a %PT Calibration Curve

Determine the coagulation times of each of the 4 PT Calibrants in duplicate or triplicate. Plot the mean value obtained for each calibration plasma on double log paper (x-axis = %PT value; y-axis = Coagulation time in seconds). Join the points (point – point) and determine the PT coagulation time of the patient plasma and directly read from this reference line the corresponding %PT value of patient plasma.

Establishing an INR Reference Curve for the direct INR determination of a patient sample

Determine the coagulation times of each of the 4 PT Calibrants in duplicate or triplicate. Plot the mean value obtained for each calibration plasma on double log paper (x-axis = INR value; y-axis = Coagulation time in seconds). Join the points by fitting the best possible straight line through these points. Determine the PT coagulation time of the patient plasma and directly read from this reference line the corresponding INR value of patient plasma.

Establishing Laboratory Specific ISI and MNPT

Determine the coagulation times of each of the 4 PT Calibrants in duplicate or triplicate and calculate the mean value for each of the plasma. A linear relationship exists between the Log INR value (x-axis) and Log PT (sec; y-axis), expressed by the equation:

$$\text{Log PT (sec)} = [\text{slope} \times \text{Log (INR)}] + \text{intercept}$$

From this equation the laboratory specific ISI and MNPT can be calculated in the following way:

$$\text{ISI} = \frac{\text{value}}{\text{slope}}$$

$$\text{MNPT} = 10^{\text{intercept}}$$

The PT Calibrants can be used on automated equipment. On Sysmex CA series and Sysmex CS series the assigned values of PT Calibrants can be entered as "Manual Dilution" in the "Standard Curve" sub-menu. Carefully read and follow the operating procedures for the specific instrument.

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 supply the following controls available for use with this product:

- REF 5186 Routine Control N
- REF 5187 Routine Control A
- REF 5183 Routine Control SA
- REF 5301 SAC N
- REF 5302 SAC A

REFERENCE VALUES

Reference values can vary between laboratories depending on the techniques and systems in use.

LIMITATION OF THE TEST

A new calibration is required for each batch of thromboplastin and for each instrument used. Recalibration is also recommended if software changes are introduced or following a major service or repair of the instrument.

The INR and %PT values of calibration plasmas supplied with this kit are lot specific.

Calibration Plasma

Instructions for use

REF 5504R

Helena Biosciences Europe
 Queensway South
 Team Valley Trading Estate
 Gateshead
 Tyne and Wear
 NE11 0SD
 Tel. +44 (0)191 482 8440
 Fax +44 (0)191 482 8442
 Email info@helena-biosciences.com
www.helena-biosciences.com





ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ЗАРОВООХРАНЕНИЯ
(РОСЗДРАВНАДЗОР)

РЕГИСТРАЦИОННОЕ УДОСТОВЕРЕНИЕ НА МЕДИЦИНСКОЕ ИЗДЕЛИЕ

от 07 декабря 2015 года № ФСР 2011/11306

На медицинское изделие
Краситель Азур-Эозин по Романовскому (МиниМед-Р)
по ТУ 9308-003-29508133-2011

Настоящее регистрационное удостоверение выдано
Общество с ограниченной ответственностью "МиниМед"
(ООО "МиниМед"), Россия,
241520, Брянская область, Брянский район, с. Супонево, ул. Шоссейная, д. 17А

Производитель
Общество с ограниченной ответственностью "МиниМед"
(ООО "МиниМед"), Россия,
241520, Брянская область, Брянский район, с. Супонево, ул. Шоссейная, д. 17А

Место производства медицинского изделия
241520, Брянская область, Брянский район, с. Супонево, пер. Комсомольский,
д. 7, корп. 2-а

Номер регистрационного досье № РД-9275/51846 от 18.11.2015

Вид медицинского изделия 232730

Класс потенциального риска применения медицинского изделия 3

Код Общероссийского классификатора продукции для медицинского изделия 93 9816

приказом Росздравнадзора от 07 декабря 2015 года № 9111
допущено к обращению на территории Российской Федерации.

Руководитель Федеральной службы
по надзору в сфере здравоохранения



М.А. Мурашко

0015715

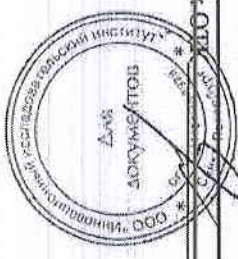
АНАЛИТИЧЕСКИЙ ПАСПОРТ
 Набор реактивов для
 лабораторной диагностики
 скрытой крови

СЕРИЯ 0719
 ОКП 93 9816

Дата изготовления ИЮЛ 2019
 Изготовитель НИИ ИТМ, Санкт-Петербург

№Показатель	Требования по ТУ	Результаты анализа
1. Внешний вид 1.11. Реактив А амидопирин 1.12. Реактив СА Сольнокислый авалин	Порошок белого цвета Порошок белого (от серого до светло- зелёного) цвета	СООТВЕТСТВУЕТ СООТВЕТСТВУЕТ
2. Технические характеристики 2.1 Чувствительность Азопирамной пробы в лямбда-реакентов Положительная реакция при разведении крови не менее	1:50000	СООТВЕТСТВУЕТ

Заключение: Требования ТУ СООТВЕТСТВУЕТ



Назначил: О.П. Гавриков К.Е.

СЕРТИФИКАТ КАЧЕСТВА

Настоящим удостоверяется, что товар, идентифицированный как сухие компоненты реактива для определения скрытой крови Азопирам лабораторная диагностика код: 382200000 ТНВЭД ОКПО 52125484
 Страна происхождения: Россия
 Изготовитель: НИИ ИТМ
 Дата изготовления: ИЮЛ 2019
 Годен до: ИЮЛ 2020
 № партии: 0719
 Соответствует требованиям:
 1. ГОСТ 58122-78
 2. Государственной Фармакопее СССР, ст. 45
 3. Методическим указаниям МЗ СССР 28-6/13 от 26.05.1988г.

Подпись ответственного лица



bsi.



By Royal Charter

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 13485:2016

This is to certify that:

CTK Biotech, Inc.
13855 Stowe Dr.
Poway
California
92064
USA

Holds Certificate No:

FM 517416

and operates a Quality Management System which complies with the requirements of ISO 13485:2016 for the following scope:

Research, design and development, manufacturing and distribution of in vitro diagnostic reagents, controls, test kits and instruments for use in the areas of Autoimmune / Allergy, Cardiac Markers, Fertility, Infectious Diseases, Endocrinology, Oncology, and Veterinary.

For and on behalf of BSI:

Stewart Brain, Head of Compliance & Risk - Medical Devices

Original Registration Date: 2007-07-26

Latest Revision Date: 2019-05-10

Effective Date: 2019-05-16

Expiry Date: 2022-05-15

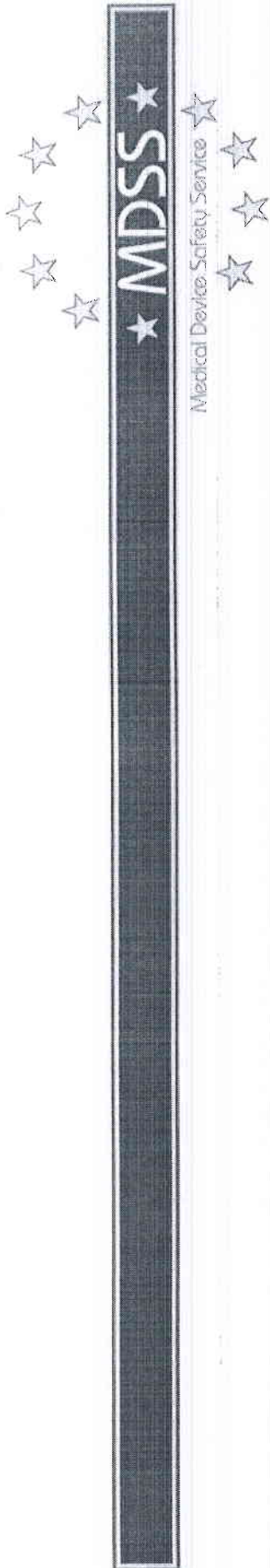
Page: 1 of 1



...making excellence a habit.™

This certificate remains the property of BSI and shall be returned immediately upon request.
An electronic certificate can be authenticated [online](http://www.bsigroup.com/ClientDirectory). Printed copies can be validated at www.bsigroup.com/ClientDirectory
To be read in conjunction with the scope above or the attached appendix.

Americas Headquarters: BSI Group America Inc., 12950 Worldgate Drive, Suite 800, Herndon, VA 20170-6007 USA
A Member of the BSI Group of Companies.



Certificate of CE-Registration

This is to certify that, in accordance with the *In Vitro* Diagnostic Medical Device Directive 98/79/EC, Medical Device Safety Service GmbH (MDSS) agrees to perform all duties and responsibilities as the Authorized Representative for:

**CTK Biotech, Inc.
13855 Stowe Dr.
Poway, CA 92064
USA**

as stipulated and demanded by the aforementioned Directive. The European Databank on Medical Devices (EUDAMED) is established as of May 1, 2011. The German Competent Authority is notified of the manufacturer's *in vitro* diagnostic medical devices and has allocated registration numbers shown in:

Annex A dated Nov 26, 2019

The Manufacturer has provided MDSS with the appropriate Declaration(s) of Conformity confirming that the *in vitro* diagnostic medical devices fulfill the applicable requirements of Directive 98/79/EC. In compliance with German law, a safety officer has been appointed for Germany.

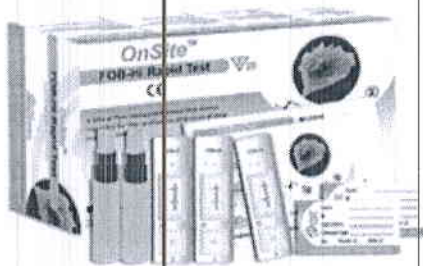
2019-11-26

Joy Grimm
Senior Consultant
MDSS GmbH

FOB-Hi Rapid Test CE

The OnSite FOB-Hi Rapid Test is a lateral flow chromatographic immunoassay for the qualitative detection of fecal occult blood in human fecal specimens in laboratories or physician offices.

It is intended to be used by professionals as a screening test and provides a preliminary test result to aid in the detection of bleeding caused by a number of gastrointestinal disorders, e.g. diverticulitis, colitis, polyps, and colorectal cancer.



- Designed to specifically detect low levels of fecal occult blood, hHB \geq 25 ng/mL
- Higher accuracy, sensitivity and specificity than the Guaiac Test
- No dietary restrictions
- Clear, easy-to-interpret result
- Individually sealed foil pouches containing:
 - One cassette test device
 - One desiccant
- Stool collection devices, each containing 2 mL of extraction buffer (REF SB-R2011)
- Patient ID stickers
- One package insert (instruction for use)

OnSite™ FOB-Hi Rapid Test

REF R2011C CE

INTENDED USE

The OnSite FOB-Hi Rapid Test is a lateral flow chromatographic immunoassay for the qualitative detection of fecal occult blood in human fecal specimens in laboratories or physician offices. It is intended to be used by professionals as a screening test and provides a preliminary test result to aid in the detection of bleeding caused by a number of gastrointestinal disorders, e.g. diverticulitis, colitis, polyps, and colorectal cancer.

Any use or interpretation of this preliminary test result must also rely on other clinical findings and the professional judgment of health care providers. Alternative test method(s) should be considered to confirm the test result obtained by this device.

SUMMARY AND EXPLANATION OF THE TEST

The American Cancer Society and Centers for Disease Control recommend an occult blood feces test annually after age 50 to aid in the early detection of colorectal cancer¹. Two types of FOB tests are commercially available: guaiac dye tests and immunochemical tests (iFOB).

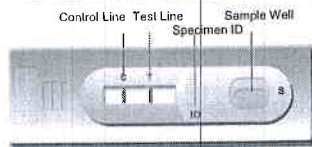
The guaiac tests are widely used but lack accuracy. The guaiac dye is a naturally occurring phenolic compound that can be oxidized to quinone by hydrogen peroxidase activity of human hemoglobin (hHb) resulting in a detectable color change. The sensitivity and specificity of guaiac tests are much lower than those of immunochemical assays. The low accuracy of the guaiac tests is related to dietary peroxidases, including hemoglobin from meat and uncooked fruits and vegetables. Non-cancerous gastrointestinal tract bleeding and iron intake may also cause false positive results with guaiac tests².

Immunochemical tests are highly accurate for the detection of hHb compared to the guaiac method. The results of immunochemical FOB tests (iFOB) are not affected by dietary peroxidases, animal blood or ascorbic acid. A Japanese study demonstrated that iFOB screening tests reduced mortality of colorectal cancer by 60%³.

The OnSite FOB-Hi Rapid Test is an iFOB designed to specifically detect low levels of human fecal occult blood. It can be performed within 10 minutes by minimally skilled personnel without the use of laboratory equipment.

TEST PRINCIPLE

The OnSite FOB-Hi Rapid Test is a lateral flow chromatographic immunoassay. The test strip in the cassette consists of: 1) a burgundy colored conjugate pad containing monoclonal anti-hHb antibody conjugated with colloidal gold (anti-hHb conjugates) and 2) a nitrocellulose membrane strip containing a test line (T line) and a control line (C line). The T line is pre-coated with another monoclonal anti-hHb antibody, and the C line is pre-coated with a control line antibody.



When an adequate volume of test specimen is dispensed into the sample well of the test cassette, the specimen migrates by capillary action across the cassette. hHb, if present in the specimen at or higher than 25 ng/mL, will bind to the anti-hHb conjugates. The immunocomplex is then captured by the pre-coated reagent forming a burgundy colored T line, indicating a FOB positive test result.

Absence of the T line suggests a negative result. Each test contains an internal control (C line) which should exhibit a burgundy colored line of the immunocomplex of the control line antibodies regardless of the color development on the T line. If the C line does not develop, the test result is invalid, and the specimen must be retested with another device.

REAGENTS AND MATERIALS PROVIDED

- Individually sealed foil pouches containing:
 - One cassette test device
 - One desiccant
- Stool collection devices, each containing 2 mL of sample extraction buffer (REF SB-R2011)
- Patient ID stickers
- One package insert (instruction for use)

MATERIALS MAY BE REQUIRED AND AVAILABLE FOR PURCHASE

- Posilvia FOB Rapid Test Control Kit (Cat # C2011) contains positive control and negative control.

MATERIALS REQUIRED BUT NOT PROVIDED

- Clock or timer
- A container to hold fecal specimen

WARNINGS AND PRECAUTIONS

For in Vitro Diagnostic Use

- This package insert must be read completely before performing the test. Failure to follow the instructions may give inaccurate test results.
- Do not open the sealed pouch unless ready to conduct the assay.
- Do not use any kit components beyond their stated expiration date.
- Do not use the components in any other type of test kit as a substitute for the components in this kit.
- Bring all reagents to room temperature (15-30°C) before use.
- Do not scoop fecal specimen as this may lead to excess fecal specimen that may block the sample well and result in an invalid test result.
- Do not use specimens for testing if blood is visible.

- Wear protective clothing and disposable gloves while handling the kit reagents and clinical specimens. Wash hands thoroughly after performing the test.
- Users of this test should follow the US CDC Universal Precautions for bio-safety.
- Do not smoke, drink, or eat in areas where specimens or kit reagents are being handled.
- Dispose of all specimens and materials used to perform the test as bio-hazardous waste.
- The testing results should be read 10 minutes after a specimen is applied to the sample well of the device. Any results interpreted outside 10 minutes should be considered invalid and must be repeated.
- Do not perform the test in a room with strong air flow, i.e. electric fan or strong air-conditioning.

REAGENT PREPARATION AND STORAGE INSTRUCTIONS

All reagents are ready to use as supplied. Store unused test devices unopened at 2-30°C. The positive and negative controls should be kept at 2-8°C. If stored at 2-8°C, ensure that the test device is brought to room temperature before opening. The test device is stable through the expiration date printed on the sealed pouch. Do not freeze the kit or expose the kit to temperature above 30°C.

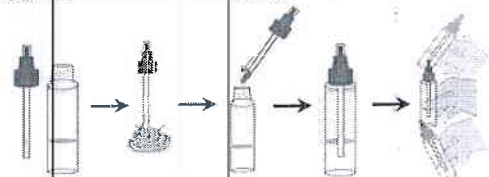
PATIENT PREPARATION

- Specimens should not be collected from patients with the following conditions which may interfere with the test results:
 - Menstrual bleeding
 - Bleeding hemorrhoids
 - Constipating bleeding
 - Urinary bleeding
- Dietary restrictions are not necessary.
- Alcohol and certain medications such as aspirin, indomethacin, phenylbutazone, reserpine, corticosteroids, and nonsteroidal anti-inflammatory drugs may cause gastrointestinal irritation and subsequent bleeding, and produce positive reactions. On the advice of a physician, these medicines may be temporarily discontinued for 7 days prior to and during the test period.

SPECIMEN COLLECTION AND HANDLING

Consider any materials of human origin as infectious and handle them using standard bio-safety procedures.

- Collect a random sample of feces in a clean, dry receptacle.
- Label the stool collection device with the specimen's ID number (patient ID sticker). Open the stool collection device by unscrewing the top and use the collection stick to randomly pierce the stool specimen in at least five different sites. **Do not scoop stool specimen. Ensure that stool specimen is only in the grooves of the collection stick. Excess stool specimen may lead to an invalid test result.**
- Replace the collection stick in the tube and tighten securely to close the sample extraction tube.
- Shake the stool collection device vigorously to extract the hHb in the specimen.



The specimen is now ready for testing, transportation or storage.

Note: It is recommended to test the specimen immediately after extraction. If not tested immediately, the extracted specimen may be stored at room temperature (20-37°C) for up to 10 days or at 2-8°C for up to 21 days. For longer storage, the extracted specimen may be frozen at -20°C. Avoid multiple freeze-thaw cycles.

TEST PROCEDURE

- Bring the specimen and test components to room temperature if refrigerated or frozen. Once the specimen is thawed, mix well prior to performing the assay.
- When ready to test, open the pouch at the notch and remove device. Place the test device on a clean, flat surface.
- Shake the stool collection device vigorously to ensure an homogenous liquid suspension.
- Hold the stool collection device vertically. Twist off the tip. Dispense 2 drops (70-90 µL) of the solution into the sample well of the cassette. Do not overload samples.



- Set up timer.
- Results can be read at 10 minutes. Positive results can be visible in as short as 1 minute. Negative results must be confirmed at the end of the 10 minutes only. **However, any results interpreted outside 10 minutes should be considered invalid and must be repeated. Discard used device after interpreting the result following local laws governing the disposal of device.**

QUALITY CONTROL

- Internal Control:** This test contains a built-in control feature, the C line. The C line develops after adding sample. If the C line does not develop, review the whole procedure and repeat test with a new device.
- External Control:** Good Laboratory Practice recommends using external controls, positive and negative, to assure the proper performance of the assay, particularly under the following circumstances:
 - A new operator uses the test kit, prior to performing testing of specimens.
 - A new lot of test kits is used.
 - A new shipment of test kits is used.
 - The temperature during storage of the kit falls outside of 2-30°C.
 - The temperature of the test area falls outside of 15-30°C.
 - To verify a higher than expected frequency of positive or negative results.
 - To investigate the cause of repeated invalid results.

INTERPRETATION OF ASSAY RESULTS

- NEGATIVE RESULT:** If only the C line develops, the test indicates that the concentration of hHb in the sample is below 25 ng/mL in buffer. The result is negative or non-reactive.



- POSITIVE RESULT:** In addition to the presence of the C line, if the T line develops, the test indicates that the concentration of hHb in the sample is equal to or higher than 25 ng/mL in buffer. The result is FOB-Hi positive or reactive.



Specimens with positive results should be confirmed with alternative testing method(s) and clinical findings before a diagnosis is made.

- INVALID:** If no C line develops, the assay is invalid regardless of any color development on the T line as indicated below. Repeat the assay with a new device. *If caused by an excess amount of fecal specimen collected, collect a new specimen and retest.*



PERFORMANCE CHARACTERISTICS

- Sensitivity**
The analytical sensitivity of the test is 25 ng/mL hHb in buffer or 3.5 µg/g hHb in feces.
- Specificity**
The OnSite FOB-Hi Rapid Test is specific to human hemoglobin. The following substances, when spiked in both positive and negative specimens, did not interfere with the test results.

1. Chicken Hemoglobin	2 mg/mL	6. Horse Hemoglobin	2 mg/mL
2. Turkey Hemoglobin	2 mg/mL	7. Sheep Hemoglobin	2 mg/mL
3. Pig Hemoglobin	2 mg/mL	8. Fish Hemoglobin	2 mg/mL
4. Beef Hemoglobin	2 mg/mL	9. Rabbit Hemoglobin	2 mg/mL
5. Goat Hemoglobin	2 mg/mL		
- Dose Hook Effect**
The OnSite FOB-Hi Rapid Test cassettes do not show any hook effect or prozone effect up to the concentration of 4 mg/mL hHb in buffer.
- Reproducibility**
Known positive specimens were tested in multiple assays and identically positive results were observed. Similarly, known negative specimens produced negative results when tested in multiple assay.
- Clinical Performance**
A total of 135 specimens were collected and tested by the OnSite FOB-Hi Rapid Test and by a leading commercial FOB rapid test. Comparison for all specimens is shown in the following table:

Reference Test	OnSite FOB-Hi Rapid Test		Total
	Positive	Negative	
Positive	46	2	48
Negative	1	86	87
Total	47	88	135

Relative Sensitivity: 95.8%, Relative Specificity: 98.8%, Overall Agreement: 97.8%

- Interference**
Common substances (such as pain and fever medication, blood components) may affect the performance of the OnSite FOB-Hi Rapid Test. This was studied by spiking these substances into negative serum and negative serum samples spiked with two levels of FOB standard controls (negative and positive). The results demonstrate, at the concentrations tested, the substances studied do not affect the performance of the OnSite FOB-Hi Rapid Test.

List of potentially interfering substances and concentrations tested:

1. Ascorbic acid	20 mg/dL	4. Dietary iron (Fe ²⁺ /Fe ³⁺)	5 mg/dL
2. Bilirubin	100 mg/dL	5. Glucose	2,000 mg/dL
3. Caffeine	40 mg/dL	6. Horseradish Peroxidase	20 mg/mL

LIMITATIONS OF THE TEST

- The Test Procedure and the Interpretation of Assay Result sections must be followed closely when testing for the presence of occult blood in feces. Failure to follow the procedure may give inaccurate results.
- The OnSite FOB-Hi Rapid Test is to aid in diagnosis and is not intended to replace other diagnostic procedures such as G.I. fibroscope, endoscopy, colonoscopy, or X-ray analysis. Test results should not be deemed conclusive with respect to the presence or absence of gastrointestinal bleeding or pathology. A positive result should be followed up with additional diagnostic procedures to determine the exact cause and source for the occult blood in the feces.
- A negative or non-reactive result can be obtained even when a gastrointestinal disorder is present. For example, some polyps and colorectal cancers may bleed intermittently or not at all during certain stages of the disease. A negative or non-reactive result can also be obtained if the quantity of occult blood present in the specimen is below the detection limit of the assay.
- The OnSite FOB-Hi Rapid Test has not been validated for testing of patients with hemoglobinopathies.
- Specimens containing visible blood may produce negative results due to the hook effect.
- The results obtained with this test should only be interpreted in conjunction with other diagnostic procedures and clinical findings.

REFERENCES

- America Cancer Society, Inc. Cancer Reference Information: Can Colon and Rectum Cancer be Found Early? (Online) Available: <http://www.cancer.org>.
- Allison JB, Takawa IS, Ransom LJ, Adrian AL. A comparison of fecal occult blood tests for colorectal cancer screening. N. Eng. J. Med. 1996; 334:155-159.
- Saito H. Screening for colorectal cancer by immunochemical fecal occult blood testing (Review). Jpn J. Cancer Res 1996; 87:1011-1024.

Index of CE Symbols

Consult instructions for use	Lot Number	For <i>in vitro</i> diagnostic use only	Use by
Catalog #	Authorized Representative	Tests per kit	Do not reuse
Store between 2-30°C	Date of manufacture		
Manufacturer			

CTK Biotech, Inc.
10110 Mesa Rim Road
San Diego, CA 92121, USA
Tel: 858-457-8698
Fax: 858-535-1739
E-mail: info@ctkbiotech.com

PL-R201 IC Rev. E
Date released: 2016-03-14
English Version

For Export Only. Not For Re-sale In the USA

EC REP MDSS GmbH
Schiffgraben 41
30175 Hannover, Germany



LORNE
LABORATORIES

DECLARATION OF CONFORMITY

PRODUCT IDENTIFICATION

Product name	Catalogue number
RPR Carbon kit	044150A 044500A

MANUFACTURER

Name	Lorne Laboratories
Address	Unit 1 Cutbush Park Industrial Estate Danehill Lower Earley Berks, RG6 4UT
Country	United Kingdom

MEANS OF CONFORMITY

I hereby declare that the products listed above comply with the essential requirements and provisions of Directive 98/79/EC of the European Parliament and of the Council (also SI 2002 No.618 which transposes the requirements of Directive 98/79/EC).

This declaration is valid from 17 May 2015.

Eddy Velthuis
Technical Director



File No A12241;
ISO 13485:2003; ISO 9001:2008

Lorne Laboratories Limited | Tel: +44 (0) 118 921 2264
Unit 1 Cutbush Park Industrial Estate | Fax: +44 (0) 118 986 4518
Danehill, Lower Earley | Email: info@lornelabs.com
Berkshire RG6 4UT United Kingdom | www.lornelabs.com

Registered office as above. Registered in England No. 04540797. VAT No. 800 3655 66



SYPHILIS SEROLOGY KIT
DIRECTIONS FOR USE

RPR CARBON KIT: For Detection Of Syphilis.

SUMMARY

At one time, syphilis was a major medical disease with a host of different manifestations transmitted primarily through sexual contact. The advent of penicillin in 1943 changed this. The etiologic agent of syphilis is *Treponema pallidum*, a spiral bacterium (spirochete). The spirochete causes some damage to the heart and the liver, releasing some tissue fragments. The patient's immune system produces antibodies, called reagins, against these fragments. There are two different techniques for the detection of syphilis. TPHA tests, which detect antibodies to *Treponema pallidum*, and non-treponemal serologic tests, which detect Reagin in infected people.

PRINCIPLE

When used by the recommended techniques, the reagent will agglutinate (clump) in the presence of reagin. No agglutination usually indicates the absence of reagin (see **Limitations**).

KIT DESCRIPTION

Lorne RPR Carbon Kit is a non-treponemal serologic test for the detection of syphilis. The RPR Carbon Antigen contains micro particulate carbon, which aids in the microscopic reading of results. All the reagents are supplied at optimum dilution for use with all recommended techniques without the need for further dilution or addition. For lot reference number and expiry date see **Vial Labels**.

STORAGE

Do not freeze. Reagent vials should be stored at 2 - 8°C on receipt. Prolonged storage at temperatures outside this range may result in accelerated loss of reagent reactivity.

SPECIMEN COLLECTION

Specimens should be drawn with or without anticoagulant using an aseptic phlebotomy technique. If testing is delayed specimens can be stored at 2-8°C for 7 days or for up to 3 months at or below -20°C. Specimens must be free from bacterial contamination, fibrin, haemolysis and lipaemia.

PRECAUTIONS

1. The kit is for *in vitro* diagnostic use only.
2. Do not use kit past expiration date (see **Vial and Box Labels**).
3. Protective clothing should be worn when handling the reagents, such as disposable gloves and a laboratory coat.
4. No known tests can guarantee products derived from human or animal sources are free from infectious agents. Care must be taken in the use and disposal of each vial and its contents.
5. RPR Positive Control: H319 - Causes serious eye irritation. Follow the precautionary statement given in the SDS.

DISPOSAL OF KIT REAGENT AND DEALING WITH SPILLAGES

For information on disposal of kit reagent and decontamination of a spillage site see **Material Safety Data Sheets**, available on request.

CONTROLS AND ADVICE

1. It is recommended the RPR Positive and Negative Controls be tested in parallel with each batch of tests. Tests must be considered invalid if controls do not show expected results.
2. Shake all the reagents well before use to ensure homogeneity.
3. Do not interchange components between different kits.
4. The circles on the agglutination cards should never be touched with fingers, as this may invalidate the test results.
5. Use of kit and interpretation of results must be carried out by properly trained and qualified personnel in accordance with the requirements of country where reagents are in use.
6. The user must determine suitability of the kit for use in other techniques.

KIT COMPONENTS PROVIDED

- 1) RPR Carbon Antigen (Red Label): Carbon particles coated with a lipid complex (cardiolipin, lecithin and cholesterol) in phosphate buffer 20 mmol/L, pH 7.0 containing a preservative.
- 2) RPR Positive Control (Red cap): Artificial serum with reagin titer $\geq 1/4$.
- 3) RPR Negative Control (Blue cap): Animal serum containing a preservative
- 4) Dispensing bottle (1 x 2 ml).
- 5) Dispensing Needle (x1).
- 6) Disposable agglutination slides.
- 7) Plastic stirrers.

MATERIALS AND EQUIPMENT NOT SUPPLIED

- a) Pipette capable of accurately delivering 50 μ l
- b) Mechanical rotating table capable of rotating at 80-100 rpm.
- c) 9 g/L saline solution.

QUALITATIVE TECHNIQUE

1. Allow the reagents and samples to reach room temperature. The sensitivity of the test may be reduced at low temperatures.
2. Place 50 μ L of the sample and one drop of each Positive and Negative controls into separate circles on the slide test.
3. Swirl the RPR-carbon reagent gently before using. Invert the dropper assembly and press gently to remove air bubbles from the micropipette.
4. Place the micropipette in a vertical position and perpendicular to the slide, and add one drop (20 μ L) of this reagent next to the samples to be tested.
5. Mix the drops with a stirrer, spreading them over the entire surface of the circle. Use different stirrers for each sample
6. Place the slide on a mechanical rotating table at 80-100 r.p.m. for 8 min. False positive results could appear if the test is read after more than 8 minutes.

INTERPRETATION OF QUALITATIVE RESULTS

1. **Reactive:** Visible agglutination (medium to large clumps) constitutes a positive result and within the accepted limitations of the test procedure, indicates the presence of reagin.
2. **Weak-Reactive:** Weak agglutination (small clumps) around the periphery of the test area constitutes a weak positive result and within the accepted limitations of the test procedure, indicates the presence of reagin.
3. **Negative:** No agglutination constitutes a negative result and within the accepted limitations of the test procedure, indicates the absence of reagin.

SEMI QUANTITATIVE TECHNIQUE

1. The semi-quantitative test can be performed in the same way as the quantitative technique using dilutions of the serum in 9 g/L saline solution.
2. Make doubling dilutions of specimen as follows:

Dilution	Serum	Saline
1/2	100 μ l undiluted serum	100 μ l
1/4	100 μ l 1/2 diluted serum	100 μ l
1/8	100 μ l 1/4 diluted serum	100 μ l
1/16	100 μ l 1/8 diluted serum	100 μ l

3. Test the specimen dilutions in the same way as for the quantitative technique above.
4. Read the test and note the last positive dilution series.

STABILITY OF THE REACTIONS

Slide tests should be interpreted straight after the 8-minute rotating period to avoid the possibility that a negative result may be incorrectly interpreted as positive due to drying of the reagent.

LIMITATIONS

1. RPR carbon test is non-specific for syphilis. All Reactive samples should be retested with treponemic methods such as TPHA and FTA-Abs to confirm the results.
2. A Non Reactive result by itself does not exclude a diagnosis of syphilis. Clinical diagnosis should not be made on findings of a single test result, but should integrate both clinical and laboratory data.
3. False positive results have been reported in diseases such as infectious mononucleosis, viral pneumonia, toxoplasmosis, pregnancy and autoimmune diseases.
4. Bilirubin (≤ 20 mg/dL), hemoglobin (≤ 10 g/L) and lipids (≤ 10 g/L), do not interfere. Rheumatoid factors (≥ 300 IU/mL), interfere. Other substances may interfere⁵.
5. False positive or negative results may also occur due to:
 - a) Not expelling air from end of needle
 - b) Not maintaining dispensing bottle and needle in a vertical position when dispensing the antigen.
 - c) When transferring the specimen from the collecting tube some of the specimen being drawn up in to the test
 - d) Contamination of test materials
 - e) Improper storage of test materials or omission of reagents
 - f) Deviation from the recommended techniques

SPECIFIC PERFORMANCE CHARACTERISTICS

1. The kit has been characterised by all the procedures mentioned in the **Recommended Techniques**.
2. Prior to release, each lot of Lorne RPR Syphilis Kit is tested by the **Recommended Techniques** to ensure suitable reactivity.
3. The reagent sensitivity is calibrated against the WHO 1st International Standard for human syphilitic plasma (NIBSC reference number 05/132).
4. **Prozone effect:** No prozone effect was detected up to titers $\geq 1/128$.
5. **Diagnostic sensitivity:** 100%
6. **Diagnostic specificity:** 100 %.

DISCLAIMER

1. The user is responsible for the performance of the kit by any method other than those mentioned in the **Recommended Techniques**.
2. Any deviations should be validated prior to use using established laboratory procedures.

BIBLIOGRAPHY

1. George P. Schmid. Current Opinion in Infectious Diseases 1994; 7: 34-40.
2. Sandra A Larsen et al. Clinical Microbiology Reviews 1995; 8 (1): 1-21.
3. Sandra Larsen et al. A manual of Test for Syphilis American Public Health Association 1990: 1-192.
4. Joseph Earle Moore et al. Gastrointestinal Haemorrhage 1952; 150(5): 467-473.
5. Young DS. Effects of drugs on clinical laboratory test, 4th ed. AACC Press, 1995.








AVAILABLE KIT SIZES

Kit Size	Catalogue Number
150 Tests Per Kit	044150A
500 Tests Per Kit	044500A

For the availability of other sizes, please contact:

Lorne Laboratories Limited
 Unit 1 Cutbush Park Industrial Estate
 Danehill
 Lower Earley
 Berkshire, RG6 4UT
 England
 Tel: +44 (0) 118 921 2264
 Fax: +44 (0) 118 986 4518
 E-mail: info@lornelabs.com

TABLE OF SYMBOLS

	Batch Number		In-vitro Diagnostic
	Catalogue Reference		Store At
	Expiry Date		Manufacturer
	Read Pack Insert		



TÜVRheinland

EC Certificate

Directive 98/79/EC Annex IV, excluding Sections 4 and 6
Full Quality Assurance System
In Vitro Diagnostic Medical Devices

Registration No.: HL 60119814 0001

Report No.: 21265422 001

Manufacturer: Macherey-Nagel GmbH & Co. KG
Neumann-Neander-Str. 6-8
52355 Düren
Deutschland

Products:

Products for self-testing
(see attachment for products and sites included)
Replaces Certificate, Registration No.: HL 60076687 0001

Expiry Date:

2022-05-28

The Notified Body hereby declares that the requirements of Annex IV, excluding section 4 and 6 of the directive 98/79/EC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex IV, section 5 of the aforementioned directive. For placing on the market of List A devices covered by this certificate an EC design-examination certificate according to Annex IV, section 4 and 6 is required.

Effective Date:

2017-05-29

Date:

2017-05-29



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TÜV Rheinland/LGA Products GmbH is a Notified Body according to Directive 98/79/EC concerning in vitro diagnostic medical devices with the identification number 0197.



TÜVRheinland

Doc. 1/1, Rev. 0

TÜV Rheinland
LGA Products GmbH

Tillystraße 2, 90431 Nürnberg

Attachment to
Certificate

Registration No.: HL 60119814 0001
Report No.: 21265422 001

Manufacturer: Macherey-Nagel GmbH & Co. KG
Neumann-Neander-Str. 6-8
52355 Düren
Deutschland

Products for self-testing:
- single and multi-parameter disposable test strips for urine analysis
- indicator test strips and papers for measurement of pH in urine

Additional site for warehousing and logistics:

Bahnstr. 120
52355 Düren, Germany



Notified Body
Dipl.-Ing. Sven Hoffmann

Date: 2017-05-29

HBsAg Rapid Test

The OnSite HBsAg Rapid Test is a lateral flow chromatographic immunoassay for the qualitative detection of hepatitis B surface antigen (HBsAg) in human serum or plasma at a level equal to or higher than 1 ng/mL.



Uses human serum or plasma

Can be performed without the use of laboratory equipment

Result in 15 minutes

Individually sealed foil pouches containing:

One cassette device

One desiccant

Plastic droppers

Package insert (instruction for use)



ООО "Медиклон"

127276 Москва, Ботаническая ул., 35, т/ф +7495 231-2272 +7499 502-1214

П А С П О Р Т - С Е Р Т И Ф И К А Т П Р О И З В О Д И Т Е Л Я
на «Набор реагентов для определения групп крови человека систем
ABO, Резус и Kell» по ТУ-9398-101-51203590-2009
(ЦОЛИКЛОНЫ Анти-А, Анти-В и Анти-AB)
Регистрационное удостоверение № ФСР 2009/06043 от 05 ноября 2009 г.

Наименование: Цоликлон Анти-А во флаконах по 10 мл с красными крышками

Серия: 096111

Единица: 100 мл

Изготовлен: 05.11.2019

Количество единиц 40

Годеи до: 05.11.2021

Объем серии: 10000 мл.

Паспорт: А096111 от 05.11.2019

Наименование показателя	Норма по ТУ	Результаты испытаний
1. Внешний вид		
1.1 Цоликлон анти-А	Прозрачная жидкость красного цвета.	Соответствует
1.2 Цоликлон анти-В	Прозрачная жидкость синего цвета.	
1.3 Цоликлон анти-AB	Прозрачная бесцветная жидкость.	
2. Серологические свойства		
2.1 Специфичность	Цоликлон анти-А не должен давать агглютинации с эритроцитами групп В(III) и O(I) Цоликлон анти-В не должен давать агглютинации с эритроцитами групп А(II) и O(I) Цоликлон анти-AB не должен давать агглютинации с эритроцитами группы O(I)	Соответствует
2.1 Гемагглютинирующая способность	Агглютинация на плоскости эритроцитов А1 и В с соответствующими Цоликлонами должна появиться не позднее 10 сек. после смешивания	Соответствует
2.3 Титр	Титр Цоликлона анти-А в реакции агглютинации на плоскости с эритроцитами группы А(II) 1:32 - 1:64 Титр Цоликлона анти-В в реакции агглютинации на плоскости с эритроцитами группы В(III) 1:64 Титр Цоликлона анти-AB в реакции агглютинации на плоскости с эритроцитами групп А(II) 1:32 - 1:64 и В(III) 1:64	Соответствует 1:32 - 1:64 Соответствует 1:64 Соответствует 1:32 - 1:64

Цоликлон соответствует требованиям ТУ - 9398-101-51203590-2009

Заведующая ОТК ООО «Медиклон»

М.С. Орлова



ООО "Медиклон"

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П А С П О Р Т - С Е Р Т И Ф И К А Т П Р О И З В О Д И Т Е Л Я
на «Набор реагентов для определения групп крови человека систем
ABO, Резус и Kell» по ТУ-9398-101-51203590-2009
(ЦОЛИКЛОНЫ Анти-А, Анти-В и Анти-AB)
Регистрационное удостоверение № ФСР 2009/06043 от 05 ноября 2009 г.

Наименование: Цоликлон Анти-В во флаконах по 10 мл с синими крышками

Серия: 095810

Единица: 100 мл

Изготовлен: 21.10.2019

Количество единиц 40

Годеи до: 21.10.2021

Объем серии: 10000 мл.

Паспорт: В095810 от 21.10.2019

Наименование показателя	Норма по ТУ	Результаты испытаний
1. Внешний вид		
1.1 Цоликлон анти-А	Прозрачная жидкость красного цвета.	Соответствует
1.2 Цоликлон анти-В	Прозрачная жидкость синего цвета.	
1.3 Цоликлон анти-AB	Прозрачная бесцветная жидкость.	
2. Серологические свойства		
2.1 Специфичность	Цоликлон анти-А не должен давать агглютинации с эритроцитами групп В(III) и O(I) Цоликлон анти-В не должен давать агглютинации с эритроцитами групп А(II) и O(I) Цоликлон анти-AB не должен давать агглютинации с эритроцитами группы O(I)	Соответствует
2.1 Гемагглютинирующая способность	Агглютинация на плоскости эритроцитов А1 и В с соответствующими Цоликлонами должна появиться не позднее 10 сек. после смешивания	Соответствует
2.3 Титр	Титр Цоликлона анти-А в реакции агглютинации на плоскости с эритроцитами группы А(II) 1:32 - 1:64 Титр Цоликлона анти-В в реакции агглютинации на плоскости с эритроцитами группы В(III) 1:64 Титр Цоликлона анти-AB в реакции агглютинации на плоскости с эритроцитами групп А(II) 1:32 - 1:64 и В(III) 1:64	Соответствует 1:32 - 1:64 Соответствует 1:64 Соответствует 1:32 - 1:64

Цоликлон соответствует требованиям ТУ - 9398-101-51203590-2009

Заведующая ОТК ООО «Медиклон»

М.С. Орлова



ООО "Медиклон"

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ПАСПОРТ-СЕРТИФИКАТ ПРОИЗВОДИТЕЛЯ
 на «Набор реагентов для определения групп крови человека систем
 АВО, Резус и Kell» по ТУ-9398-101-51203590-2009
 (ЦОЛИКЛОН Анти-А, Анти-В и Анти-АВ)
 Регистрационное удостоверение № ФСР 2009/06043 от 05 ноября 2009 г.

Наименование: Цоликлон Анти-АВ

Серия: 098611

Изготовлен: 05.11.2019

Годен до: 05.11.2021

Паспорт: АВ098611 от 05.11.2019

Единица: 100 мл

Количество единиц 10

Объем серии: 10000 мл.

Наименование показателя	Норма по ТУ	Результаты испытаний
1. Внешний вид		
1.1 Цоликлон анти-А	Прозрачная жидкость красного цвета.	Соответствует
1.2 Цоликлон анти-В	Прозрачная жидкость синего цвета.	
1.3 Цоликлон анти-АВ	Прозрачная бесцветная жидкость.	
2. Серологические свойства		
2.1 Специфичность	Цоликлон анти-А не должен давать агглютинации с эритроцитами групп В(III) и O(I) Цоликлон анти-В не должен давать агглютинации с эритроцитами групп А(III) и O(I) Цоликлон анти-АВ не должен давать агглютинации с эритроцитами группы O(I)	Соответствует
2.1 Гемагглютинирующая способность	Агглютинация на плоскости эритроцитов А1 и В с соответствующими Цоликлонами должна появиться не позднее 10 сек. после смешивания	Соответствует 10 секунд
2.3 Титр	Титр Цоликлона анти-А в реакции агглютинации на плоскости с эритроцитами группы А(III) 1:32 - 1:64 Титр Цоликлона анти-В в реакции агглютинации на плоскости с эритроцитами группы В(III) 1:64 Титр Цоликлона анти-АВ в реакции агглютинации на плоскости с эритроцитами групп А(III) 1:32 - 1:64 и В(III) 1:64	Соответствует 1:32 - 1:64 Соответствует 1:64 Соответствует 1:32 - 1:64

Цоликлон соответствует требованиям ТУ - 9398-101-51203590-2009

Заведующая ОТК ООО «Медиклон»

М.С. Орлова



ООО "Медиклон"

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ПАСПОРТ-СЕРТИФИКАТ ПРОИЗВОДИТЕЛЯ
 на «Набор реагентов для определения групп крови человека систем
 АВО, Резус и Kell» по ТУ-9398-101-51203590-2009
 (ЦОЛИКЛОН Анти-D Супер)
 Регистрационное удостоверение № ФСР 2009/06043 от 05 ноября 2009 г.

Наименование: Цоликлон Анти-D Супер во флаконах по 10 мл с зелеными крышками

Серия: 292711

Изготовлен: 05.11.2019

Годен до: 05.11.2021

Паспорт: Дс292711 от 05.11.2019

Единица: 100 мл

Количество единиц 40

Объем серии: 10000 мл.

Наименование показателя	Характеристика нормы по ТУ	Результаты испытаний
1. Внешний вид	Прозрачная жидкость светло-бежевого цвета	Соответствует
2. Серологические свойства		
2.1 Специфичность	Цоликлон Анти-D Супер не должен агглютинировать D(-) эритроциты.	Соответствует
2.2 Гемагглютинирующая способность	Четкая реакция агглютинации должна наступить в течение 30 сек. после смешивания реагента с D(+) эритроцитами	Соответствует 30 сек.
2.3 Титр	Титр Цоликлона Анти-D Супер в реакции агглютинации на плоскости с D(+) эритроцитами 1:32 Титр Цоликлона Анти-D Супер в реакции прямой агглютинации с D(+) эритроцитами в микропласте не ниже 1:256	Соответствует 1:32 1:256

Цоликлон соответствует требованиям ТУ - 9398-101-51203590-2009

Заведующая ОТК ООО «Медиклон»

М.С. Орлова



EC DECLARATION OF CONFORMITY

Lorne Laboratories Ltd declares that the following in vitro diagnostic reagent:

Product name	Catalogue number
ASO Latex Kit	03T100A

has been classified as non List A, non List B (Directive 98/79/EC, Annex II) and complies with the essential requirements and provisions of Directive 98/79/EC of the European Parliament and of the Council (also SI 2002 No.618 which transposes the requirements of Directive 98/79/EC).

and is in conformity with the national standards transposing harmonised standards:

- BS EN 980:2008
- BS EN ISO 13485:2012
- BS EN 13612:2002
- BS EN 13640:2002
- BS EN 13641:2002
- BS EN ISO 14971:2012
- BS EN ISO 18113, parts 1&2

The conformity assessment procedure performed was in accordance with Annex III of Directive 98/79/EC.

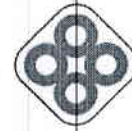
This declaration of conformity is issued under the sole responsibility of Lorne Laboratories Ltd and is valid from 13 April 2016.

Eddy Veithuis
Technical Director

Lorne Laboratories Limited | Tel: +44 (0) 118 921 2264
Unit 1, Caribush Park Industrial Estate | Fax: +44 (0) 118 986 4518
Danehill, Lower Earley | Email: info@lornelabs.com
Berkshire RG6 4UT - United Kingdom | www.lornelabs.com

Registered office in UK: Registered in England No. 609 388 66





LORNE
LABORATORIES

EC DECLARATION OF CONFORMITY

Lorne Laboratories Ltd declares that the following in vitro diagnostic reagent:

Product name	Catalogue number
RF Latex kit	830100A

has been classified as non List A, non List B (Directive 98/79/EC, Annex II) and complies with the essential requirements and provisions of Directive 98/79/EC of the European Parliament and of the Council (also SI 2002 No.618 which transposes the requirements of Directive 98/79/EC).

and is in conformity with the national standards transposing harmonised standards:

- BS EN 980:2008
- BS EN ISO 13485:2012
- BS EN 13612:2002
- BS EN 13640:2002
- BS EN 13641:2002
- BS EN ISO 14971:2012
- BS EN ISO 18113, parts 1&2

The conformity assessment procedure performed was in accordance with Annex III of Directive 98/79/EC.

This declaration of conformity is issued under the sole responsibility of Lorne Laboratories Ltd and is valid from 13 April 2016.

Eddy Velthuis
Technical Director

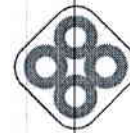


File No A12241;
ISO 13485:2003, ISO 9001:2008

Lorne Laboratories Limited
Unit 1 Cutbush Park Industrial Estate
Danehill, Lower Earley
Berkshire RG6 4UT United Kingdom

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Fax: +44 (0) 118 986 4518
Email: info@lornelabs.com
www.lornelabs.com

Registered office as above. Registered in England No. 04540797. VAT No. 800 3655 66



LORNE
LABORATORIES

EC DECLARATION OF CONFORMITY

Lorne Laboratories Ltd declares that the following in vitro diagnostic reagent:

Product name	Catalogue number
CRP Latex kit	850100A

has been classified as non List A, non List B (Directive 98/79/EC, Annex II) and complies with the essential requirements and provisions of Directive 98/79/EC of the European Parliament and of the Council (also SI 2002 No.618 which transposes the requirements of Directive 98/79/EC).

and is in conformity with the national standards transposing harmonised standards:

- BS EN 980:2008
- BS EN ISO 13485:2012
- BS EN 13612:2002
- BS EN 13640:2002
- BS EN 13641:2002
- BS EN ISO 14971:2012
- BS EN ISO 18113, parts 1&2

The conformity assessment procedure performed was in accordance with Annex III of Directive 98/79/EC.

This declaration of conformity is issued under the sole responsibility of Lorne Laboratories Ltd and is valid from 13 April 2016.

Eddy Velthuis
Technical Director



File No A12241;
ISO 13485:2003; ISO 9001:2008

Lorne Laboratories Limited
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Berkshire RG6 4UT United Kingdom

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Email: info@lornelabs.com
www.lornelabs.com

Registered office as above. Registered in England No. 04540797. VAT No. 800 3655 66



RAPID LATEX KIT
DIRECTIONS FOR USE

ASO Latex Kit: For Detection Of Anti-Streptolysin O (ASO) In Serum.

SUMMARY

In acute streptococcal infections, the toxic immunogenic exoenzyme streptolysin O (ASO) is produced in response to streptolysin O antigens liberated by haemolytic streptococci of groups A, C and G. Information on extent and degree of infection can be obtained by measuring serum ASO levels. Elevated ASO levels have also been found in patients suffering from scarlet fever, acute rheumatoid arthritis, tonsillitis, and other streptococcal infections as well as in healthy carriers.

PRINCIPLE

When used by the recommended techniques, latex particles in the reagent will agglutinate (clump) in the presence of anti-streptolysin O antibodies. No agglutination generally indicates the absence of anti-streptolysin O antibodies (see **Limitations**).

KIT DESCRIPTION

Lorne ASO Latex Kit is a serologic test for the detection of ASO antibodies. All the reagents are supplied at optimal dilution for use with all recommended techniques without the need for further dilution or addition. For lot reference number and expiry date see **Vial Labels**.

STORAGE

Do not freeze. Reagent vials should be stored at 2 - 8°C on receipt. Prolonged storage at temperatures outside this range may result in accelerated loss of reagent reactivity.

SPECIMEN COLLECTION

Specimens should be drawn with or without anticoagulant using an aseptic phlebotomy technique. If testing is delayed specimens can be stored at 2-8°C for 7 days or for up to 3 months at or below -20°C. Specimens must be free from bacterial contamination, fibrin, gross lipemia and gross haemolysis.

PRECAUTIONS

1. The kit is for *in vitro* diagnostic use only.
2. Do not use kit past expiration date (see **Vial and Box Labels**).
3. Protective clothing should be worn when handling the reagents, such as disposable gloves and a laboratory coat.
4. Materials used to produce the kit were tested at source and found to be negative for HIV 1+2 and HBsAg using approved microbiological tests. However no known tests can guarantee that products derived from human or animal sources are free from infectious agents. Care must be taken in the use and disposal of each vial and its contents.

DISPOSAL OF KIT REAGENT AND DEALING WITH SPILLAGES

For information on disposal of kit reagent and decontamination of a spillage site see **Material Safety Data Sheets**, available on request.

CONTROLS AND ADVICE

1. ASO Positive and Negative Controls must be tested in parallel with each batch of tests. Tests must be considered invalid if controls do not show expected results.
2. All the reagents must be allowed to reach 18-25°C before use.
3. Shake the reagents well before use to ensure homogeneity.
4. Do not interchange components between different kits.
5. Use of kit and interpretation of results must be carried out by properly trained and qualified personnel in accordance with the requirements of the country where the kit is in use.
6. The user must determine the suitability of the kit for use in other techniques.

KIT COMPONENTS SUPPLIED

- 1) ASO Latex Reagent 5.0 mL: Latex particles coated with streptolysin O, pH, 8.2 containing a preservative.

- 2) ASO Positive Control (1.0 mL, Red cap): Human serum with an ASO concentration > 200 IU/mL containing a preservative.
- 3) ASO Negative Control (1.0 mL, Blue cap): Animal serum containing a preservative.
- 4) Pipette-Stirrers.
- 5) Disposable agglutination Slides.

REAGENTS AND MATERIALS REQUIRED

- a) Small glass / plastic test tubes.
- b) Serological pipettes.
- c) Graduated container.
- d) 9 g/L saline solution.

RECOMMENDED QUALITATIVE TECHNIQUE

1. Allow the reagents and samples to reach room temperature. The sensitivity of the test may be reduced at low temperatures.
2. Place 50 µL of the sample and one drop of each Positive and Negative controls into separate circles on the slide test.
3. Swirl the ASO-latex reagent gently before using and add one drop (50 µL) next to the sample to be tested.
4. Mix the drops with a stirrer, spreading them over the entire surface of the circle. Use different stirrers for each sample.
5. Swirl the slide gently and after 2 minutes read the results macroscopically. False positive results could appear if the test is read after more than two minutes.

INTERPRETATION OF QUALITATIVE RESULTS

1. **Positive:** Agglutination of latex particles constitutes a positive result and within the accepted limitations of the test procedure, indicates a level of ASO in the specimen > 200 I.U./ml.
2. **Negative:** No visible agglutination of latex particles constitutes a negative result and within the accepted limitations of the test procedure, indicates a level of ASO in specimen < 200 I.U./ml.

RECOMMENDED SEMI-QUANTITATIVE TECHNIQUE

1. The semi-quantitative test can be performed in the same way as the quantitative technique using dilutions of the serum in 9 g/L saline solution.
2. Make doubling dilutions of specimen as follows:

Dilution	Serum	Saline
1/2	100 µl undiluted serum	100 µl
1/4	100 µl 1/2 diluted serum	100 µl
1/8	100 µl 1/4 diluted serum	100 µl

3. Test the specimen dilutions in the same way as for the quantitative technique above.
4. Agglutination of the sera indicates:

Dilution	ASO Levels (I.U. / ml)
1/2	400 (200 x 2)
1/4	800 (200 x 4)
1/8	1600 (200 x 8)

5. Normal levels of ASO in adults is < 200 I.U./ml.

RESULTS

The titre is expressed as the reciprocal of the highest dilution showing macroscopic agglutination, e.g. if this occurs in the 1/8 dilution, the titre is 1600.

INTERPRETATION OF SEMI-QUANTITATIVE RESULTS

Positive results may indicate an acute streptococcal infection. In which case the test should be repeated at weekly intervals to determine the progression of infection.

STABILITY OF THE REACTIONS

Slide tests should be interpreted immediately after the 2-minute period to avoid the possibility that a negative result may be incorrectly interpreted as positive due to drying of the reagent.

EC REP

Advena Ltd. Tower Business Centre, 2nd Flr.,
Tower Street, Swatar, BKR 4013, Malta

LIMITATIONS

1. False positive results may be obtained in conditions such as scarlet fever, acute rheumatoid arthritis, tonsillitis and other streptococcal infections as well as in healthy carriers.
2. Hemoglobin (≤ 10 g/L), bilirubin (≤ 20 mg/dL), lipemia (≤ 10 g/L), rheumatoid factors (≤ 300 IU/mL) do not interfere. Other substances may interfere⁷.
3. Early infections in children from 6 months to 2 years may cause false negative results.
4. A single ASO determination does not produce much information about the actual state of the disease. Titrations at biweekly intervals during 4 or 6 weeks are advisable to follow the disease evolution.
5. Clinical diagnosis should not be made on findings of a single test result, but should integrate both clinical and laboratory data.
6. False positive or false negative results may also occur due to:
 - a) Contamination of test materials
 - b) Improper storage of test materials or omission of reagents
 - c) Deviation from the recommended techniques

SPECIFIC PERFORMANCE CHARACTERISTICS

1. The kit has been characterised by all the procedures mentioned in the **Recommended Techniques**.
2. Prior to release, each lot of Lorne ASO Latex Kit is tested by **Recommended Techniques** to ensure suitable reactivity.
3. The ASO-latex sensitivity is calibrated against the WHO 1st International Standard for ASO available from NIBSC.
4. Analytical sensitivity: 200 (± 50) IU/mL, under the described assay conditions.
5. Prozone effect: No prozone effect was detected up to 1500 IU/mL.
6. Diagnostic sensitivity: 98 %.
7. Diagnostic specificity: 97 %.

DISCLAIMER

1. The user is responsible for the performance of the kit by any method other than those mentioned in the **Recommended Techniques**.
2. Any deviations should be validated prior to use using established laboratory procedures.

BIBLIOGRAPHY

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4. The association of Clinical Pathologists 1961. Broadsheet 34.
5. Picard B et al. La Presse Medicale 1983; 23: 2-6.
6. Klein GC. Applied Microbiology 1971; 21: 999-1001.
7. Young DS. Effects of drugs on clinical laboratory test, 4th ed. AACC Press, 1995.

AVAILABLE KIT SIZES

Kit Size	Catalogue Number
100 Tests Per Kit: 5.0 ml ASO Latex 1.0 ml Positive Control 1.0 ml Negative Control	031100A

For the availability of other sizes, please contact:



Lorne Laboratories Limited
Unit 1 Cutbush Park Industrial Estate
Danehill
Lower Earley
Berkshire, RG6 4UT
United Kingdom
Tel: +44 (0) 118 921 2264
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E-mail: info@lornelabs.com



RAPID LATEX KIT
DIRECTIONS FOR USE

CRP Latex Kit: For Detection Of C-Reactive Protein (CRP) In Serum.

SUMMARY

C-Reactive Protein (CRP) usually appears in serum of individuals in response to inflammatory conditions and tissue necrosis and disappears when causative conditions subside. It is routinely found in cases of bacterial infection, active rheumatic fever and many malignant diseases and is often seen in association with rheumatoid arthritis, viral infections and tuberculosis. CRP has also been detected in patients following blood transfusions and surgical operations as well as in patients with burns, pemphigus vulgaris and other bullous lesions.

PRINCIPLE

When used by the recommended techniques, latex particles in the reagent will agglutinate (clump) in the presence of CRP. No agglutination generally indicates absence of CRP (see **Limitations**).

KIT DESCRIPTION

Lorne CRP Latex Test Kit is for the detection of CRP. Test reagent consists of latex particles coated with rabbit Anti-CRP (IgG). All the latex reagents are supplied at optimal dilution for use with all recommended techniques without need for further dilution or addition. For lot reference number and expiry date see **Vial Labels**.

STORAGE

Do not freeze. Reagent vials should be stored at 2 - 8°C on receipt. Prolonged storage at temperatures outside this range may result in accelerated loss of reagent reactivity.

SPECIMEN COLLECTION

Specimens should be drawn with or without anticoagulant using an aseptic phlebotomy technique. If testing is delayed specimens can be stored at 2-8°C for 7 days or for up to 3 months at or below -20°C. Specimens must be free from bacterial contamination, fibrin, gross lipaemia and gross haemolysis.

PRECAUTIONS

1. The kit is for *in vitro* diagnostic use only.
2. Do not use kit past expiration date (see **Vial and Box Label**).
3. Protective clothing should be worn when handling the reagents, such as disposable gloves and a laboratory coat.
4. Materials used to produce the kit were tested at source and found to be negative for HIV 1+2 and HBsAg using approved microbiological tests. However, no known tests can guarantee that products derived from human or animal sources are free from infectious agents. Care must be taken in the use and disposal of each vial and its contents.

DISPOSAL OF KIT REAGENT AND DEALING WITH SPILLAGES

For information on disposal of kit reagent and decontamination of a spillage site see **Material Safety Data Sheets**, available on request.

CONTROLS AND ADVICE

1. It is recommended the CRP Positive and Negative Controls be tested in parallel with each batch of tests. Tests must be considered invalid if controls do not show expected results.
2. All the reagents must be allowed to reach 18-25°C before use.
3. Shake the reagents well before use to ensure homogeneity.
4. Do not interchange components between different kits.
5. Use of kit and interpretation of results must be carried out by properly trained and qualified personnel in accordance with the requirements of country where kit is in use. The user must determine the suitability of the kit for use in other techniques.

KIT COMPONENTS SUPPLIED

- 1) CRP Latex Reagent (5 mL): Latex particles coated with goat IgG anti-human CRP, pH, 8.2, containing a preservative.
- 2) CRP Positive Control (Red cap, 1 mL): Human serum with a CRP concentration > 20 mg/L containing a preservative.

- 3) CRP Negative Control (Blue cap, 1 mL): Animal serum containing a preservative.
- 4) Pipette stirrers.
- 5) Disposable agglutination slide.

MATERIALS AND EQUIPMENT REQUIRED

- a) Serological Pipettes.
- b) Mechanical rotator capable with adjustable speed of 80-100 rpm.
- c) Vortex mixer.
- d) Small Glass or Plastic Test Tubes.
- e) Distilled or Deionised Water.
- f) 9 g/L saline solution.

RECOMMENDED QUALITATIVE TECHNIQUE

1. Allow the reagents and samples to reach room temperature. The sensitivity of the test may be reduced at low temperatures.
2. Place 50 µL of the sample (Note 1) and one drop of each Positive and Negative controls into separate circles on the slide test.
3. Swirl the CRP-latex reagent gently before using and add one drop (50 µL) next to the samples to be tested.
4. Mix the drops with a stirrer, spreading them over the entire surface of the circle. Use different stirrers for each sample.
5. Place the slide on a rotary shaker at 80-100 r.p.m. for 2 minutes. False positive results could appear if the test is read after more than two minutes.

INTERPRETATION OF QUALITATIVE RESULTS

1. **Positive:** Visible agglutination of latex particles constitutes a positive result and within the accepted limitations of the test procedure, indicates a level of CRP in the specimen > 6 mg/l.
2. **Negative:** No visible agglutination of latex particles constitutes a negative result and within the accepted limitations of the test procedure, indicates a level of CRP in the specimen < 6 mg/l.

RECOMMENDED SEMI-QUANTITATIVE TECHNIQUE

1. The semi-quantitative test can be performed in the same way as the qualitative test using dilutions of the serum.
2. Make doubling dilutions of the specimen using 9 g/L saline solution as follows:

Dilution	Serum	Saline
1/2	100 µl undiluted serum	100 µl
1/4	100 µl 1/2 diluted serum	100 µl
1/8	100 µl 1/4 diluted serum	100 µl
1/16	100 µl 1/8 diluted serum	100 µl

3. Test the specimen dilutions in the same way as for the quantitative technique above.
4. Agglutination of the sera indicates:

Dilution	CRP Levels (mg / l)
1/2	12 (6 x 2)
1/4	24 (6 x 4)
1/8	48 (6 x 8)
1/16	96 (6 x 16)

5. Normal levels of CRP in adults are < 6 mg/l.

NOTES

1. High CRP concentration samples may give false negative results (pro-zone effect). Re-test the sample again using a drop of 20 µl.

RESULTS

The titre is expressed as the reciprocal of the highest dilution showing macroscopic agglutination: e.g. if this occurs in dilution 1/8, the titre is 48.

INTERPRETATION OF SEMI-QUANTITATIVE RESULTS

The elevation of CRP levels above normal indicates tissue damage, inflammation, or both with greater reliability. Regular monitoring of CRP levels is often used as a means of assessing disease activity and of guiding therapy. CRP determination is considered of greater practical significance than other indicators of inflammatory disease. Erythrocyte sedimentation rate (ESR) may become elevated as a result of non-inflammatory conditions. In these circumstances inflammatory disease may be excluded if CRP is absent.

STABILITY OF THE REACTIONS

Slide tests should be interpreted immediately after the 2-minute rotation period to avoid the possibility that a negative result may be incorrectly interpreted as positive due to drying of the reagent.

LIMITATIONS

1. Reactions read beyond the two-minute interval may be invalid.
2. The results obtained from this assay must be considered a part of the differential diagnosis and medical history of the patient.
3. There is no relationship between the strength of reactivity and C-reactive protein levels.
4. Hemoglobin (≤ 10 g/L), bilirubin (≤ 20 mg/dL) and lipemia (≤ 10 g/L), do not interfere. Rheumatoid factors (≥ 100 IU/mL), interfere. Other substances may interfere.
5. False positive or false negative results may also occur due to:
 - a) Contamination of test materials
 - b) Improper storage of test materials or omission of reagents
 - c) Deviation from the recommended techniques

SPECIFIC PERFORMANCE CHARACTERISTICS

1. The kit has been characterised by all the procedures mentioned in the **Recommended Techniques**.
2. Prior to release, each lot of Lorne CRP Latex Test Kit is tested by **Recommended Techniques** to ensure suitable reactivity.
3. The CRP-latex sensitivity is calibrated to the Reference Material ERM-DA 472/IFCC.
4. **Analytical sensitivity:** 6 (5-10) mg/L, under the described assay conditions.
5. **Prozone effect:** No prozone effect was detected up to 1600 mg/L (Note 1).
6. **Diagnostic sensitivity:** 95.6 %.
7. **Diagnostic specificity:** 96.2 %.

DISCLAIMER

1. The user is responsible for the performance of the kit by any method other than those mentioned in the **Recommended Techniques**.
2. Any deviations should be validated prior to use using established laboratory procedures.

BIBLIOGRAPHY

1. Lars-Olof Hanson et al. Current Opinion in Infectious diseases 1997; 10: 196-201.
2. M.M. Pepys. The Lancet 1981; March 21: 653 – 656.
3. Chetana Vaishnavi. Immunology and Infectious Diseases 1996; 6: 139 – 144.
4. Yoshitsugu Hokama et al. Journal of Clinical Laboratory Status 1987; 1: 15 – 27.
5. Yamamoto S et al. Veterinary Immunology and Immunopathology 1993; 36: 257 – 264.
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AVAILABLE KIT SIZES








Kit Size	Catalogue Number
100 Tests Per Kit	850100A

For the availability of other sizes, please contact:

Lorne Laboratories Limited
 Unit 1 Cutbush Park Industrial Estate
 Danehill
 Lower Earley
 Berkshire RG6 4UT
 England
 Tel: +44 (0) 118 921 2264
 Fax: +44 (0) 118 986 4518
 E-mail: info@lornelabs.com

Document reference number: PI850A

TABLE OF SYMBOLS

	Batch Number		<i>In-vitro</i> Diagnostic
	Catalogue Reference		Store At
	Expiry Date		Manufacturer
	Read Pack Insert		



RAPID LATEX KIT
DIRECTIONS FOR USE

RF Latex kit: For Detection Of Rheumatoid Factor (RF).

SUMMARY

Rheumatoid factors are a group of antibodies directed to determinants in the Fc portion of the IgG molecule. Although rheumatoid factors are found in a number of rheumatoid disorders, such as systemic lupus erythematosus (SLE) and Sjögren's syndrome, as well as in non-rheumatoid conditions, its central role lies in aiding in the diagnosis of rheumatoid arthritis

PRINCIPLE

When used by recommended techniques, latex particles in reagent will agglutinate (clump) in presence of rheumatoid factor (RF). No agglutination generally indicates absence of RF (see **Limitations**).

KIT DESCRIPTION

Lorne RF Latex Kit is for the detection of rheumatoid factor. The latex reagent is a suspension of polystyrene latex particles coated with human gamma globulins, which agglutinate in the presence of Rheumatoid Factor (RF). All latex reagents are supplied at optimal dilution for use with all recommended techniques without the need for further dilution or addition. For lot reference number and expiry date see **Vial Labels**.

STORAGE

Do not freeze. Reagent vials should be stored at 2 - 8°C on receipt. Prolonged storage at temperatures outside this range may result in accelerated loss of reagent reactivity.

SPECIMEN COLLECTION

Specimens should be drawn without anticoagulant using an aseptic phlebotomy technique. If testing is delayed, fresh serum can be stored at 2-8°C for 7 days or for up to 3 months at or below -20°C. Specimens must be free from bacterial contamination, fibrin, gross lipemia and gross haemolysis.

PRECAUTIONS

1. The kit is for *in vitro* diagnostic use only.
2. Do not use kit past expiration date (see **Vial and Box Labels**).
3. Protective clothing should be worn when handling the reagents, such as disposable gloves and a laboratory coat.
4. All the reagents must be allowed to reach 18-25°C before use.
5. Materials used to produce the kit were tested at source and found to be negative for HIV 1+2 and HBsAg using approved microbiological tests. However, no known tests can guarantee that products derived from human or animal sources are free from infectious agents. Care must be taken in the use and disposal of each vial and its contents.

DISPOSAL OF KIT REAGENT AND DEALING WITH SPILLAGES

For information on disposal of kit reagent and decontamination of a spillage site see **Material Safety Data Sheets**, available on request.

CONTROLS AND ADVICE

1. It is recommended the RF Positive and Negative Controls be tested in parallel with each batch of tests. Tests must be considered invalid if controls do not show expected results.
2. All the reagents must be allowed to reach 18-25°C before use.
3. Shake the reagents well before use to ensure homogeneity.
4. Do not interchange components between different kits.
5. Use of kit and interpretation of results must be carried out by properly trained and qualified personnel in accordance with the requirements of country where kit is in use. The user must determine the suitability of the kit for use in other techniques.
6. Results obtained with a latex method do not compare with those obtained with the Rose Waaler test. Differences in the results between methods do not reflect differences in the ability to detect rheumatoid factors.

KIT COMPONENTS SUPPLIED

- 1) RF Latex Reagent (5 mL): Latex particles coated with human γ -globulin, pH, 8.2, and a preservative.
- 2) RF Positive Control (Red cap, 1 mL): Human serum with a RF concentration > 30 IU/mL and a preservative.
- 3) RF Negative Control (Blue cap, 1 mL): Animal serum and a preservative.
- 4) Pipette-Stirrers.
- 5) Reusable Agglutination Slide (18 each).

MATERIALS AND EQUIPMENT REQUIRED

- a) Glass Test Tubes (10 x 75 mm or 12 x 75 mm).
- b) Pasteur and Graduated Pipettes.
- c) Vortex mixer.
- d) Mechanical rotator with adjustable speed of 80-100 rpm.

RECOMMENDED QUALITATIVE TECHNIQUE

1. Allow the reagents and samples to reach room temperature. The sensitivity of the test may be reduced at low temperatures.
2. Place 50 μ L of the sample and one drop of each Positive and Negative controls into separate circles on the slide test.
3. Shake the RF-latex reagent vigorously or use a vortex mixer before use and add one drop (50 μ L) next to the sample to be tested.
4. Mix the drops with a stirrer, spreading them over the entire surface of the circle. Use different stirrers for each sample.
5. Place the slide on a rotary shaker at 80-100 r.p.m. for 2 minutes. False positive results could appear if the test is read after more than two minutes.

INTERPRETATION OF QUALITATIVE RESULTS

1. **Positive:** Visible agglutination of latex particles constitutes a positive result and within the accepted limitations of the test procedure, indicates a level of RF in the specimen > 8 IU/ml.
2. **Negative:** No visible agglutination of latex particles in a milky liquid constitutes negative result and within accepted limitations of test procedure, indicates level of < 8 IU/ml RF in specimen.

RECOMMENDED SEMI-QUANTITATIVE TECHNIQUE

1. The semi-quantitative test can be performed in the same way as the qualitative test using dilutions of the serum.
2. Make doubling dilutions of serum specimen in 9 g/L saline as follows:

Dilution	Serum	Saline
1/2	100 μ l undiluted serum	100 μ l
1/4	100 μ l 1/2 diluted serum	100 μ l
1/8	100 μ l 1/4 diluted serum	100 μ l
1/16	100 μ l 1/8 diluted serum	100 μ l

3. Test the specimen dilutions in the same way as for the quantitative technique above.
4. Agglutination of the sera indicates:

Dilution	RF Levels (I.U./mL)
1/2	16 (8 x 2)
1/4	32 (8 x 4)
1/8	64 (8 x 8)
1/16	128 (8 x 16)

5. Normal levels of RF in adults is < 8 IU/mL

RESULTS

The titre is expressed as the reciprocal of the highest dilution showing macroscopic agglutination: e.g. if this occurs in dilution 1/8, the titre is $(8 \times 8 \text{ IU/mL}) = 64 \text{ IU/mL}$.

STABILITY OF THE REACTIONS

Slide tests should be interpreted straight after the 2-minute rotation period to avoid the possibility that a negative result may be incorrectly interpreted as positive due to drying of the reagent.

LIMITATIONS

- Using a latex test system, positive results are not always found with every case of clinically defined rheumatoid arthritis, the number of positives reported using various types of latex reagent range from 70% to over 90%.
- The incidence of false positive results is about 3-5%. Individuals suffering from infectious mononucleosis, hepatitis, syphilis as well as elderly people may give positive results.
- Diagnosis should not be solely based on the results of latex method but also should be complemented with a Rose Waaler test along with the clinical examination.
- Haemoglobin ($\leq 10 \text{ g/L}$), bilirubin ($\leq 20 \text{ mg/dL}$) and lipaemia ($\leq 10 \text{ g/L}$) do not interfere. Other substances may interfere⁶.
- False positive or false negative results may also occur due to:
 - Contamination of test materials
 - Improper storage of test materials or omission of reagents
 - Deviation from the recommended techniques

SPECIFIC PERFORMANCE CHARACTERISTICS

- The kit has been characterised by all the procedures mentioned in the **Recommended Techniques**.
- The RF latex sensitivity is calibrated against the RF International Calibrator from the WHO (WHO 64/2 Rheumatoid Arthritis Serum).
- Analytical sensitivity: 8 (6-16) IU/mL, under the described assay conditions.
- Prozone effect: No prozone effect was detected up to 1500 IU/mL.
- Diagnostic sensitivity: 100%.
- Diagnostic specificity: 100%.
The diagnostic sensitivity and specificity have been obtained using 139 samples compared with the same method of a competitor.

DISCLAIMER

- The user is responsible for the performance of the kit by any method other than those mentioned in the **Recommended Techniques**.
- Any deviations should be validated prior to use using established laboratory procedures.

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- Robert W Dorner et al. Clinica Chimica Acta 1987; 167: 1 – 21.
- Frederick Wolfe et al. Arthritis and Rheumatism 1991; 34: 951-960.
- Robert H Shmerling et al. The American Journal of Medicine 1991; 91: 528 – 534.
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
AVAILABLE KIT SIZES

Kit Size	Catalogue Number
100 Tests Per Kit	830100A

For the availability of other sizes, please contact:

Lorne Laboratories Limited
Unit 1 Cutbush Park Industrial Estate
Danehill
Lower Earley
Berkshire RG6 4UT
England
Tel: +44 (0) 118 921 2264
Fax: +44 (0) 118 986 4518
E-mail: info@lornelabs.com

TABLE OF SYMBOLS

	Batch Number		In-vitro Diagnostic
	Catalogue Reference		Store At
	Expiry Date		Manufacturer
	Read Pack Insert		



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CERTIFICATE No.

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SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

GRUPPO VACUTEST KIMA

Sede / Head Office

Via dell'Industria, 12 - 35020 Arzergrande (PD) - Italia

Unità Operative / Operative Units

MEUS S.r.l. - Via Leonardo da Vinci, 24B - 26 - 28 - Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

MEUS S.r.l. - Via dell'Industria, 2 - 16 - 35020 Arzergrande (PD) - Italia

ROLL S.R.L. - Via Leonardo Da Vinci, 24A - Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

KIMA S.R.L. - Via Leonardo da Vinci, 22 - Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

VACUTEST KIMA S.r.l. - Via dell'Industria, 12 - 35020 Arzergrande (PD) - Italia

VACUTEST KIMA S.r.l. via L. Da Vinci, 22 Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

UNI CEI EN ISO 13485:2016

Sistema di Gestione per la Qualità / Quality Management System

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES

EA: 14 - 29

Progettazione e produzione di provette con vuoto predeterminato ad uso prelievo ematico, liquidi biologici e urine.
Produzione di provette per microprelievi di sangue. Progettazione e produzione di Holders (camicie) per prelievo sottovuoto.
Progettazione e produzione di kit diagnostici per l'analisi del sangue e dei liquidi biologici. Progettazione e produzione di terreni di coltura per microbiologia. Progettazione e produzione di aghi e dispositivi sterili per il prelievo ematico.
Commercializzazione di prodotti del Gruppo: kit diagnostici, terreni di coltura per microbiologia, articoli in plastica per laboratorio analisi, provette con vuoto predeterminato e aghi sterili. Progettazione e produzione di stampi per articoli in plastica per laboratorio analisi. Stampaggio di materie termoplastiche ad iniezione per articoli medicali.

Design and production of test tubes with predetermined vacuum for collection of haematological samples, biological liquids and urine samples. Production of test tubes for micro-collection of haematological samples. Design and production of Holders for vacuum sampling. Design and production of diagnostic kits for blood and biological liquids analysis. Design and production of culture media for microbiology. Design and production of sterile needles and devices for collection of haematological samples. Trading of the products of the Group: diagnostic kits, culture media for microbiology, plastic disposable labware, test tubes with predetermined vacuum and sterile needles. Design and production of moulds for plastic labware. Injection moulding of thermoplastic materials for medical devices.

Riferirsi alla documentazione del Sistema di Gestione per la Qualità aziendale per l'applicabilità dei requisiti della norma di riferimento.
Refer to the documentation of the Quality Management System for details of application to reference standard requirements.

Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di contattare il n° telefonico +39 02 725341 o indirizzo e-mail info@icim.it.

For timely and updated information about any changes in the certification status referred to in this certificate, please contact the number +39 02 725341 or email address info@icim.it.

Data emissione
First issue
18/01/2007

Emissione corrente
Current issue
18/01/2019

Data di scadenza
Expiring date
17/01/2022

ICIM S.p.A.

Piazza Don Enrico Mapelli, 73 - 20099 Seslo San Giovanni (MI)
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Signatory of EA, IAF and ILAC Mutual Recognition Agreements



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CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.
CISQ is the Italian Federation of management system Certification Bodies.



CISQ is a member of



THE INTERNATIONAL CERTIFICATION NETWORK
www.iqnet-certification.com

IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world. IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

CERTIFICATO n. 4264/4
CERTIFICATE No.

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

GRUPPO VACUTEST KIMA

Sede / Head Office

Via dell'Industria, 12 - 35020 Arzergrande (PD) - Italia

Unità Operative / Operative Units

MEUS S.r.l. - Via Leonardo da Vinci, 24B - 26 - 28 - Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

MEUS S.r.l. - Via dell'Industria, 2 - 16 - 35020 Arzergrande (PD) - Italia

ROLL S.R.L. - Via Leonardo Da Vinci, 24A - Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

KIMA S.R.L. - Via Leonardo da Vinci, 22 - Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

VACUTEST KIMA S.r.l. - Via dell'Industria, 12 - 35020 Arzergrande (PD) - Italia

VACUTEST KIMA S.r.l. via L. Da Vinci, 22 Zona Industriale Tognana - 35028 Piove di Sacco (PD) - Italia

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

UNI EN ISO 9001:2015

Sistema di Gestione per la Qualità / Quality Management System

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES

EA: 14 - 29

Progettazione e produzione di provette con vuoto predeterminato ad uso prelievo ematico, liquidi biologici e urine. Produzione di provette per microrelievi di sangue. Progettazione e produzione di Holders (camicie) per prelievo sottovuoto. Progettazione e produzione di kit diagnostici per l'analisi del sangue e dei liquidi biologici. Progettazione e produzione di terreni di coltura per microbiologia. Progettazione e produzione di aghi e dispositivi sterili per il prelievo ematico. Commercializzazione di prodotti del Gruppo: kit diagnostici, terreni di coltura per microbiologia, articoli in plastica per laboratorio analisi, provette con vuoto predeterminato e aghi sterili. Progettazione e produzione di stampi per articoli in plastica per laboratorio analisi. Stampaggio di materie termoplastiche ad iniezione per articoli medicali.
Design and production of test tubes with predetermined vacuum for collection of haematological samples, biological liquids and urine samples. Production of test tubes for micro-collection of haematological samples. Design and production of Holders for vacuum sampling. Design and production of diagnostic kits for blood and biological liquids analysis. Design and production of culture media for microbiology. Design and production of sterile needles and devices for collection of haematological samples. Trading of the products of the Group: diagnostic kits, culture media for microbiology, plastic disposable labware, test tubes with predetermined vacuum and sterile needles. Design and production of moulds for plastic labware. Injection moulding of thermoplastic materials for medical devices.

Riferirsi alla documentazione del Sistema di Gestione per la Qualità aziendale per l'applicabilità dei requisiti della norma di riferimento.
Refer to the documentation of the Quality Management System for details of application to reference standard requirements.

Il presente certificato è soggetto al rispetto del documento ICIM "Regolamento per la certificazione dei sistemi di gestione" e al relativo Schema specifico.
The use and the validity of this certificate shall satisfy the requirements of the ICIM document "Rules for the certification of company management systems" and specific Scheme.

Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di contattare il n° telefonico +39 02 725341 o indirizzo e-mail info@icim.it.

For timely and updated information about any changes in the certification status referred to in this certificate, please contact the number +39 02 725341 or email address info@icim.it.

Data emissione
First issue
18/01/2007

Emissione corrente
Current issue
18/01/2019

Data di scadenza
Expiring date
17/01/2022

ICIM S.p.A.

Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI)
www.icim.it



SGQ N° 004 A

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements



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CISQ is the Italian Federation of management system Certification Bodies.



CERTIFICATO N° 505SGQ03

CERTIFICATE N° 505SGQ03

Si certifica che il
this is to certify that

Sistema di Gestione per la Qualità

Quality Management System

messo in atto da
implemented by

NUOVA APTACA S.r.l.

Via Monte Bianco, 4 – IT 20900 MONZA (MB)

nella Sede Operativa di
Operative Unit

Regione Monforte, 30 – IT 14053 CANELLI (AT)

è conforme alla norma
is in compliance with the standard

UNI EN ISO 9001-2015 (ISO 9001-2015)

per i seguenti Processi
concerning the following kinds of Processes

Gestione della fabbricazione ed immissione in commercio di tamponi sterili
per il prelievo di campioni biologici in orifizi naturali e in ambito chirurgico.
Progettazione e fabbricazione di dispositivi medico diagnostici per laboratori di analisi.
Commercializzazione di dispositivi medici e diagnostici in vitro.

Commercializzazione di articoli da laboratorio

*Management of the manufacturing and placing on the market of sterile tampons for sampling of biological specimens
in natural orifice and in surgical field. Design and manufacturing of diagnostic medical devices for laboratories
of analysis. Marketing of medical and diagnostic devices in vitro. Marketing of laboratory articles.*

Il presente Certificato è soggetto al rispetto delle condizioni stabilite dal Regolamento per la certificazione in vigore applicabili.

This Certificate shall satisfy the requirements established in the Rules for the certification in force applicable.

In caso di discordanza tra le lingue utilizzate nella traduzione del contenuto del presente certificato, fare riferimento alla lingua italiana

In cases of discrepancy between the languages used in the translation of the content of this certificate, please refer to the Italian language

L'AMMINISTRATORE DELEGATO

MANAGING DIRECTOR

Dr. Ing. Roberto Cusolito

Data di Prima Emissione
First Issue Date

1998-07-23

Settore IAF 14 - 29

Data di Prima Emissione ITALCERT
First Issue Date ITALCERT

2011-10-30

Data di Rinnovo
Renewal Date

2017-10-30

Data di Scadenza
Expiration Date

2020-10-29



SGQ N° 023A PRD N° 122B
SGA N° 0200 ISP N° 075E
PRS N° 037C

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CERTIFIED COMPANY UNI EN ISO 9001:2008 & UNI EN ISO 13485:2012

DICHIARAZIONE DI CONFORMITA' CE CE DECLARATION OF CONFORMITY

La sottoscritta Nuova Aptaca s.r.l.
 The undersigned Nuova Aptaca s.r.l.

**DICHIARA
 DECLARES**

Che il dispositivo medico diagnostico in vitro di seguito descritto:
That in vitro diagnostic medical devices described as follows:

SISTEMA SEDI-RATE SEDI-RATE SYSTEM

PRODOTTI NON STERILI - NOT STERILE PRODUCTS

(i cui codici di dettaglio sono riportati nell'allegato 1)
(which detailed codes are reported in Annex 1)


- > Sono conformi ai requisiti essenziali di cui all'allegato I della direttiva 98/79/CE del 27 ottobre 1998 recepita con il D.Lgs 332 del 08/09/2000.
Are manufactured in compliance with essential requirements of Annex 1 of the 98/79/CE Directive dated 27th October 1998 put into force by D.Lgs. 332 dated 08/09/2000.
- > I Dispositivi di cui all'Allegato 1 non rientrano nell'elenco A o B di cui all'Allegato II della Direttiva 98/79/CE.
The devices as per Annex 1 do not fall under list A or B of annex II of the Directive 98/79/EC.
- > Classificazione EDMA (Versione 2007): 2609 Other Clinical Instruments EDMA code (Version 2007): 2609 Other Clinical Instruments
- > La presente dichiarazione è stata redatta in conformità all'Allegato III (escluso punto 6) della Direttiva 98/79/CE.
The present Declaration was drafted in accordance with annex III to Directive 98/79/EC.

Rilasciato / Released
 Canelli, 01.02.2013


 Daniela BIONDO
 Responsabile Assicurazioni Qualità

ALLEGATO 1 alla Dichiarazione di Conformità 98/79/CE Annex 1 to Declaration of Conformity 98/79/CE

COD.	DESCRIZIONE	DESCRIPTION
10110	SEDI-RATE Sistema per la determinazione della velocità di eritrosedimentazione composto da provetta Sodio Citrato 0,2ml + Pipetta graduata in PS cristallo	SEDI-RATE Erythrocyte sedimentation rate system. Test tubes with 0.2ml of Na Citrate + ESR graduated pipettes manufactured in PS crystal.
10110/P	Pipetta graduata per V.E.S. in polistirolo cristallo	E.S.R. graduated pipettes in PS crystal
10110/PR	Provetta con 0,2 ml. di Sodio Citrato per 0,8 ml. di sangue, con tappo rosa, etichettata	Test tube filled with Sodium Citrate 0,2 ml. for 0,8 ml. of blood, with label and pink cap.


 Daniela BIONDO
 Responsabile Assicurazioni Qualità

EG-KONFORMITÄTSERKLÄRUNG · EC DECLARATION OF CONFORMITY

Name und Adresse des Herstellers*/Händlers**
 Name and address of the manufacturer / distributor**
KABE LABORTECHNIK GmbH
 Jägerhofstraße 17
 51588 Nümbrecht-Eisenroth
 Deutschland / Germany

Wir erklären in alleiniger Verantwortung* bzw. aufgrund der uns vom Hersteller vorliegenden Informationen**,
 dass die In-Vitro-Diagnostika der Produktgruppe /
 We declare under our sole responsibility* respectively according to the information of the manufacturer**
 that the in-vitro-diagnostics of product group

kapillare Blutentnahmesysteme	capillary blood collection systems
<ul style="list-style-type: none"> • Kapillarblutentnahmesystem (GK)* • kapillare Probenbehälter aus Kunststoff • Blutgaskapillaren (BK) • Hämatokritkapillaren (HK) • end-to-end Kapillaren (EK) • kapillare Probenbehälter aus Glas** • Blutgaskapillaren (BK) • Hämatokritkapillaren (HK) • end-to-end Kapillaren (EK) • Mikro-Kapillar-Pipetten mit Ringmarke (RM) 	<ul style="list-style-type: none"> • capillary blood collection system (GK)* • capillary sample containers made of plastic* • blood gas capillaries (BK) • haematocrit capillaries (HK) • end-to-end capillaries (EK) • capillary sample containers made of glass** • blood gas capillaries (BK) • haematocrit capillaries (HK) • end-to-end capillaries (EK) • micro-capillary pipettes with ring mark (RM)

der Klasse / of class
 Andere IVD-Produkte
 Other IVD-devices

den einschlägigen Bestimmungen der IVD-Richtlinie 98/79/EG und deren Umsetzungen in nationale Gesetze entspricht. Die Konformitätserklärung gilt für die durch die KABE LABORTECHNIK GmbH freigegebenen Chargen.
 meets the provisions of the directive 98/79/EC and its transpositions in national laws which apply to it. This declaration is valid for the batches released by KABE LABORTECHNIK GmbH.

Konformitätsbewertungsverfahren:
 Conformity assessment procedure:
 Richtlinie 98/79/EG Anhang III
 Directive 98/79/EC Annex III

KABE LABORTECHNIK GmbH
 Jägerhofstraße 17
 D-51588 Nümbrecht-Eisenroth
 Tel. +49 (0) 2293 7 556



André Kolpe, Geschäftsführer / Managing director

Capillary blood collection system

Capillary blood collection GK

Capillary blood collection GK

It consists of a prepared test vessel and a prepared plastic end-to-end collection capillary with stopper.

- Easy handling
- Plastic capillary* with exact filling volume; complete inner surface prepared, unbreakable
- Collection vessel serves as centrifugal vessel; prepared for all common tests
- Light protected, tinted vessels for bilirubin analyses

* with conformity certificate in accordance with the Weights and Measurement Regulations

Fill the capillary with capillary blood from a horizontal position.

After filling let the blood flow into the vessel from a vertical position (shake out remaining blood).

Remove the capillary, press on the attached stopper and mix or centrifuge.

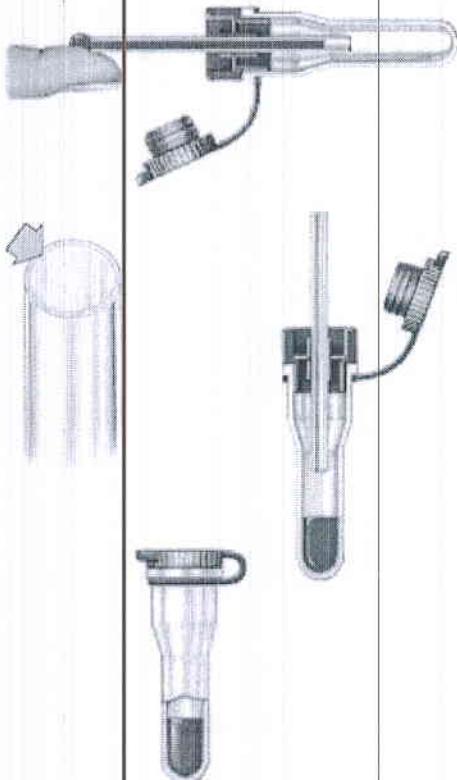
077003 EDTA 100 µl

Packing unit:

100 pcs in bag,

4,000 pcs in box

Ø 11/8 x 39 mm





GIMA

LANCETS 28G for 23915, 23919 - sterile

Code: 23916
Category: Lancets
Unit of sale: box of 100 pcs.
Minimum order: 1
Type: Medical device
Class: II A
NSIS: 1369290
CND: V0104
EAN13: 8023279239164



Description: Lancets are fine needles that can be used with device codes 23915, 23919 and most of lancet devices in the market to draw a blood sample for glucose testing.

Multilanguage box: GB, FR, IT, DE, ES, PT, GR, PL, Arabic.



北京瑞成医疗器械有限公司
Beijing Ruicheng Medical Supplies Co., Ltd.

EC Declaration of Conformity

Manufacturer:

Name: Beijing Ruicheng Medical Supplies Co., Ltd.
Address: No. 558 Zhangzikou, Yangsong Town,
Huairou District, 101400 Beijing, China

Whose single Authorized Representative:

Name: Lotus NL B.V.
Address: Koningin Julianaplein 10, 1e Verd,
2595AA, The Hague, Netherlands.

We, the manufacturer, herewith declare that the product

Disposable Lancets

Models: 21G I, 23G I, 25G I, 26G I, 27G I, 28G I, 30G I, 33G I;
21G II, 23G II, 25G II, 26G II, 27G II, 28G II, 30G II, 33G II;
21GIV, 23GIV, 25GIV, 26GIV, 27GIV, 28GIV, 30GIV, 33GIV;
21G V, 23G V, 25G V, 26G V, 27G V, 28G V, 30G V, 33G V;
21GM3, 23GM3, 25GM3, 26GM3, 27GM3, 28GM3, 30GM3, 33GM3;
21GM4, 23GM4, 25GM4, 26GM4, 27GM4, 28GM4, 30GM4, 33GM4;

UMDNS-Code:10440

Meet the provisions of Directive 93/42/EEC which apply to them.

The medical device has been assigned to Class IIa according to Annex IX of the Directive 93/42/EEC. It bears the mark



The product concerned has been manufactured under a quality management system according to Annex V of Directive 93/42/EEC.

Compliance of the designated product with the Directive 93/42/EEC has been assessed and certified by the Notified Body

TÜV Rheinland LGA Products GmbH
Tillystraße 2, 90431, Nürnberg, Germany

Certificate No.: DD 60141252 0001

Issue date: 2019-08-05

Expiry date: 2024-05-27

Following the procedure relating to the EC Declaration of Conformity set out in annex II of directive 93/42/EEC.

This Declaration of Conformity covers all medical devices as specified in the product list belonging to this declaration and is only valid in connection with a batch specific Certificate of Compliance for all products concerned bearing the CE mark.

The above mentioned declaration of conformity is exclusively under the responsibility of Company: Beijing Ruicheng Medical Supplies Co., Ltd.

Address: No. 558 Zhangzikou, Yangsong Town, Huairou District, 101400 Beijing, China

Beijing, Aug. 5, 2019.
Beijing
Place, date

Name: Yuechao Li General Manager
Legally binding signature, function



Общество с ограниченной ответственностью
 «Научно-производственная фирма «ВИНАР»
 Юр.адрес: 105094, г. Москва, ул. Госпитальный вал, д.5, стр.7А, пом. VIII
 Для писем: 105094, г. Москва, а/я 26
 тел/факс: (495) 988-76-67, 360-61-46, 360-72-19
 http://www.vinar.ru e-mail: main@vinar.ru

Общество с ограниченной ответственностью «Научно-производственная фирма «ВИНАР»

ПАСПОРТ КАЧЕСТВА

Индикаторы химические одноразовые воздушной стерилизации
МедИС-В-Винар по ТУ 9398-032-11764404-2004

Регистрационное удостоверение
 № ФСР 2009/05017
 от 27.08.2019 г.

Сертификат соответствия
 № РОСС RU. ИМ02.Н18087
 от 18.09.2019 г.



Модификация : «МедИС-В-180/60»

Партия 9177109 Дата изготовления Октябрь 2019 г.

Гарантийный срок 3 года
 Условия эксплуатации и хранения в соответствии с инструкцией производителя
 Код ОКПД 2 32.50.50.190

Наименование показателя	Норма	Значение
Технические характеристики	ТУ 9398-032-11764404-2004	Соответствует
Соответствие ГОСТ	класс 4 по ГОСТ ISO 11140-1-2011	Соответствует

Ответственный
за контроль качества



ЧУВАНОВА А.А.