Foresight

HBsAg EIA Test Kit Package Insert

An enzyme immunoassay (EIA) for the qualitative detection of Hepatitis B Surface Antigen (HBsAg) REF 1231-1021 English

human serum or plasma in vitro diagnostic use only INTENDED USE

The HBsAg EIA Test Kit is a one step enzyme immunoassay for the qualitative detection of Hepatitis B Surface Antigen (HBsAg) in human serum or plasma. It is intended for screening and as an aid in the diagnosis of possible Hepatitis B infection.

(HBV). This infection of the liver is transmitted through sexual contact, blood borne exposure, transmission from mother to child during delivery, sharing of objects that piecree the skin, child-to-child and household contact. The four major HBsAg subtypes include adw adr. ayw, and ayr, all sharing the common determinant at The HBV infection causes a wide variety of liver damage such as acute self-limiting infection, full minaling hepatitis, chronic hepatitis with progression to cirrhosis and liver failure, and asymptomatic chronic carrier state, in HBV infected people, the virus persists for the rest of their lives and can be passed on to others. Therefore, Hepatitis B has become a global public health problem, Infection with HBV results in the appearance of a number of serological markers and after exposure and before biochemical evidence of liver disease or jaundice. ²² Three weeks after the onset of acute hepatitis almost half of the patients will still be positive for HBsAg. In the chronic carrier state, HBsAg persists for 6-12 months with no seroconversion to the corresponding antibodies. Therefore, screening for HBsAg is highly recommended for all donors, pregnant women and people in high-risk arouse. HBsAg is one of the earliest markers that appear in the blood follow (HBV). This infection of the liver is transmitted through sexual appear in the blood following infection with Hepatitis B virus

various subtypes of HBsAg in serum or plasma

for the detection of HBsAg in human serum or plasma. The microwell plate is coated with monoclonal antibodies specific to various subtypes of HBsAg. During testing, the specimen and the enzyme-conjugated HBsAg ambodies are added to the antibody-coated microwell plate and then incubated. If the specimen contains HBsAg, it will bind to the antibodies coated on the microwell plate and simultaneously bind to the conjugate to form immobilized antibody-HBsAg-conjugate complexes. If the specimen does not contain HBsAg, the complexes will not be formed. After initial incubation, the microwell plate is washed to remove urbound materials. Substrate A and substrate B are added and then incubated to produce a blue color, indicating the amount of HBsAg present in the specimen. Sulfuric acid solution is added to the microwell plate to stop the reaction which produces a color change from blue to yellow. The color intensity, which corresponds to the amount of HBsAg present in the specimen, is measured with a micropolate at 450/630-700 nm or 450 nm.

PRECAUTIONS

- For professional in vitro diagnostic use only. Do not use after expiration date
- Do not mix reagents from other kits with different lot numbers
- Avoid cross contamination between reagents to ensure valid test results
- Follow the wash procedure to ensure optimum assay performance
- Use Plate Sealer to cover microwell plate during incubation to minimize evaporation

- Use a new pipet tip for each specimen assayed.
- the liquid before reading the plate. Do not allow wells to dry out during the assay procedure. Do not touch the bottom of the wells with pipette tips. Do not touch the bottom of the microwell plate Ensure that the bottom of the plate is clean and dry and that no bubbles are present on the surface of
- Do not allow sodium hypochlorite furnes from chlorine bleach or other sources to contact the microwell plate during the assay as the color reaction may be inhibited.
- All equipment should be used with care, calibrated regularly and maintained following the

HEALTH AND SAFETY INFORMATION

- Wear disposable gloves and other protective clothing such as laboratory coats and eye protection while handling kit reagents and specimens. Wash hands thoroughly when finished. Some components of this kit contain human blood derivatives. No known test method can offer complete assurance that products derived from human blood will not transmit infectious agents. Therefore, all blood derivatives should be considered potentially infectious, it is recommended that these reagents and human specimens be handled using established good laboratory working practices
- ProClin™ 300 is included as a preservative in the Conjugate, Concentrated Wash Buffer, Substrate Avoid any contact with skin or eyes

The HBsAg EIA Test Kit is a third generation immunoassay for the qualitative detection of the presence of Hepatitis B Surface Antigen in serum or plasma specimen. The test utilizes monoclonal

The HBsAg EIA Test Kit is a solid phase qualitative enzyme immunoassay based on a sandwich principle

SPECIMEN COLLECTION AND PREPARATION

- Serum and plasma specimens may be stored at 2-8°C for up to 7 days prior to assayin term storage, specimens should be kept frozen below -20°C
- and mixed well prior to testing. Specimens should not be frozen and thawed repeatedly Bring specimens to room temperature prior to testing. Frozen specimens must be complete
- compliance with local

Substrate B W alensanc Concentrated Wash Buffer (25x) HBsAg Conjugate HBsAg Microwell Reagent Preservative: 0.1% ProClin™ 300 0.5M Sulfuric acid 0.1% Tween 20: Preservative: 0.1% ProClin™ 300 Anti-HBsAg bound to peroxidase. Preservative: 0.1% ProClin ** 300 Tris-HCl buffer containing Microwell plate coated with Anti-HBsAg HWE) Buffer containing tetramethylbenzidine Preservative: 0.1% ProClin™ 300 hydrogen peroxide itrate-phosphate buffer containing Component Description (96 wells/ plate 96 wells/kit 1 x 8 mL 1 x 8 mL 1 x 40 mL 1×8mL ×8 mL 1 plate (96 we 5×8 mL 5 x 8 mi

Ensure no less than 5 washing cycles with dispensing of 350µL/well. Ensure there's no overflow and no liquid is left in the well. Tap out any residual wash fluid on to

absorbent paper after washing

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niv-1, and niv-2,	Normal serum non-reactive for HBsAg, HCV,
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i, and miv-2,	Normal serum non-reactive for HBsAg, HCV,

HBsAg Positive Control

Inactivated serum containing HBsAg and regative for HCV, HIV-1, and HIV-2; Preservative: 0.1% ProClin 300 Preservative: 0.1% ProClinTM 300

1×1 mL

5×1mL 5 x 1 ml

Avoid any contact of the Substrate A, Substrate B, and Stop Solution with skin or mucosa. The Stop Solution contains 0.5M suffuric acid which is a strong acid, If spills occur, wipe immediately with large amounts of water. If the acid contacts the skin or eyes, flush with large amounts of water and seek medical attention.

Do not eat, drink or smoke in the area where the specimens or

- Non-disposable apparatus should be sterilized after use. The preferred method is to autoclave for one hour at 121°C. Disposables should be autoclaved or incinerated. Do not autoclave materials containing sodium hypochlorite.
- infectious agents. Observe established precautions against microbiological hazards throughout all the procedures and follow the standard procedures for proper disposal of specimens. Handle and dispose all specimens and materials used to perform the test as if they contained

Freshly distilled or deionized water

als Required But Not Provided

- Discard all contaminated material, specimens and reagents of human origin after proper Observe Good Laboratory Practices when handling chemicals and potentially infectious material
- decontamination and by following local, state and federal regulations.

 Neutralized acids and other liquids should be decontaminated by adding sufficient volume of sodium hypochlorite to obtain a final concentration of at least 1.0%. A 30 minute exposure to a sodium hypochlorite may be necessary to ensure effective decontamination

 Calibrated automatic or manual microwell Water bath or incubator capable of Absorbent paper or paper towel Sodium hypochlorite solution for

Calibrated microplate reader capable of reading at

450 nm with a 630-700 nm reference filter, or reading at 450 nm without a reference filter

Disposable reagent reservoirs

vasher capable of aspirating and

pensing 350 µL/well

maintaining 37°C ± 2°C

Timer

Vortex mixer for specimen mixing (optional)

Graduated cylinders for wash buffer dilution

capable of dispensing 50 and 100 µL

STORAGE AND STABILITY

Unopened test kits should be stored at 2-8°C upon receipt. All unopened reagents are stable through the expiration date printed on the box if stored between 2-8°C. Once opened, all reagents are stable for up to 3 months after the first opening date if stored between 2-8°C. Return reagents to 2-8°C immediately after use.

Allow reagents and specimens to reach room temperature (15-30°C) prior to testing. The procedure must be strictly followed. Assay must proceed to completion within time limits. Arrange the controls so that well A1 is the Blank well. From well A1, arrange the controls in a hostocontal or vertical configuration. The procedure below assigns specific wells arranged in a vertical configuration.

DIRECTIONS FOR USE

- strips should be stored in the original resealable pouch with desiccant supplied at 2-8°C used within 3 months of the opening date. Return the remaining unused strips an desiccant to the original resealable pouch, firmly press the seal closure to seal Allow the sealed pouch to reach room temperature before opening the pouch and remove the required number of strips to prevent condensation of the microwell plate. The remaining unused strips should be stored in the onbinal reseatable bouch with desiccant supplied at 2-8°C and can be
- Concentrated Wash Buffer may be stored at room temperature to avoid crystallization. If completely and immediately store at 2-8°C.
- present, warm up the solution at 37°C. Working Wash Buffer is stable for 2 weeks at room te Do not expose reagents especially the Substrate to strong light or hypochlorite fun storage or incubation steps.
- Do not store Stop Solution in a shallow dish or return it to the original bottle after use

- The HBsAg EIA Test Kit can be performed using only human serum or plasma coll venipuncture whole blood
- EDTA, sodium heparin, and ACD collection tubes may be used to collect venipuncture wand plasma specimens. The preservative sodium azide inactivates horseradish peroxidence. lead to erroneous results.
- Separate serum or plasma from blood as soon as possible to avoid hemolysis. Grossly lipidic or furbid samples should not be used. Specimen with extensive particulate should by centrifugation prior to use. Do not use specimens with fibrin particles or contam microbial growth
- If specimens are to be shipped, they should be packed in

REAGENTS AND COMPONENTS

and can be	Config	Configuration may depend upon software.	
the pouch		Prepare Workin Concentrated Wa	Prepare Working Wash Buffer diluting the Concentrated washed.
crystals are emperature. mes during		the bottle containing the concentrated wash buffer in a graduated cylinder and fill it with freshly distilled or deionized water to 1000 mL for 96 wells/plate testing. The Working Wash Buffer is stable for 2 weeks at 15-30°C.	Buffer 1:25 Remove and store unused s at 2-8°C
lected from		Note: If crystals are present in the Concentrated Wash Buffer, warm it up at 37°C until all crystals dissolve. • Remove unused strips from the microwell plate, and store in the original resealable pouch at 2-8°C.	
whole blood	0	Leave A1 as Blank well.	 Leave A1 as Blank well
te and may y hemolytic, be clarified inated with	-	 Add 100 µL of Negative Control in wells B1 and C1. (Blue Reagent) Add 100 µL of Positive Control in wells D1 and E1. (Red Reagent) Add 100 µL of specimen to assigned wells starting at F1. 	B1 and C1: Add 100 µL Nega Control D1 and E1: Add 100 µL Pos Control Starting F1: Add 100 Specimen
g. For long tely thawed regulations	2	 Add 50 µL of Conjugate to each well except for the Blank well. (Red Reagent) NOTE: To avoid contamination, drop the conjugate on the bottom of the well vertically, be careful not to touch the inner surface of the well with the pipette tip. 	Add 50 µL of Conjugate to e well except for the Blank well
	ω	a flat bench Sealer and g one of the	Mix gently Cover the microwell plate with Plate Sealer and incubate upone of the following procedure Standard Procedure
wells/kit plates ells/ plate)		re: Incubate at 37°C ±2°C for 60 s. re: Incubate at 37°C ±2°C for 120 s.	at 37°C for 60 min • Enhanced Procedure: Incubs at 37°C for 120 min
40 mL		ier. es with 350 µL of Working Wash move the liquid. late upside down on absorben	Remote the Plate Snale
68 mL	4	nave been we. Insing of quid is left	REPURSANMEDICO
			CAL SA

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Read at 450630-700 nm within 30 minutes. Note: Microwell plate can also be read at 450 nm, but it is strongly recommended to read it at 450630-700 nm for better results.	Remove the Plate Sealer. Add 50 µL of Stop Solution to each well. (Clear Reagent) Then a yellow color should develop in wells containing Positive specimens.	Standard Procedure: Incubate at 37°C ±2°C for 10 minutes ±1 minute. Enhanced Procedure: Incubate at 37°C ±2°C for 30 minutes ±2 minutes.	 Mix gently then cover microwell plate with Plate Sealer and incubate in a water bath or incubator using one of the following procedures: 	 Then a blue color should develop in wells containing Positive specimens. 	Add 50 µL of Substrate B to each well, (Clear Reagent) Substrate A and Substrate B can also be mixed together as a Working Substrate Solution before use. Add a volume of Substrate A to an equal volume of Substrate B in a clean glass or plastic vessel; mix well. Add 100 µL Working Substrate Solution to each well. Note: The Working Substrate Solution should be used within 30 minutes.
• Read at 450/630-700 nm within s 30 min	2 > Z	procedures • Standard Procedure at 37°C for 10 min at 37°C for 30 min	Mix then cover microwell plate with Plate Sealer and incubate using one of the following	9	well or - Add 50 µL of Substrate B to each a well O'C add 100 µL Working Substrate L Solution to each well.

ensure they are equivalent to those obtained using the manual method for the same specimens. Incubation times may vary depending on the processors used but do not program less incubation times than the procedure listed above. When automatic EIA microplate processors are used, periodic automatic EIA microplate processors may be used to perform the assay after validating the results to

 Calculate the Mean Absorbance of Negative Control and Positive Control by referring to the table below. VALIDATION REQUIREMENTS AND QUALITY CONTROL

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Item	Absorbance
Negative Control: Well B1	0.023
Vegative Control: Well C1	0.021
	0.021
Total Absorbance of Negative Control	0.023 + 0.021 = 0.044
Mean Absorbance of Negative Control	0.044/2 = 0.022
Blank Absorbance: Well A1	0.002
NCx Mean Absorbance of Negative Control - Blank Absorbance	0 022 - 0 002 = 0 020

its below to determine if the test results are valid

	The state of the s
Item	Validation Requirements
Blank Well	Blank Absorbance should be < 0.050 if read at 450,630-700 nm Note: It should be < 0.100 if read at 450 nm
Negative Control	Mean Absorbance after subtraction of Blank Absorbance should be < 0.100
Positive Control	Absorbance should be >

NOTE: The test results are considered invalid if the above validation requirements are not met. Repeat the test or contact your local distributor.

Calculate the Cut-Off Value using the following formula if the test results are valid

Example of Cut-Off Value Calculation

INTERPRETATION OF RESULTS	Cut-Off Value: NCx + 0.070 0.020	NCX	Item	The state of the s
	0.020 + 0.070 = 0.090	0.020	Absorbance	

HBsAg and may be considered negative. NON-REACTIVE: Specimens with absorbance less than the Cut-Off Value are non-reactive for

initially reactive for HBsAg. The specimen should be retested in duplicate before final interpretation. Specimens that are reactive in at least one of the re-test are presumed to be repeatedly reactive and should be confirmed using other HBV markers or confirmatory testing. Specimens that are nonreactive on both retests should be considered non-reactive REACTIVE: Specimens with absorbance greater than or equal to the Cut-Off Value are considered

*NOTE: Specimens with values within ±10% of the Cut-Off Value should be retested in duplicates for

LIMITATIONS

- including confirmatory testing, should be performed before a specimen is considered positive. A non-reactive test result does not exclude the possibility of exposure. Specimens containing precipitate may give inconsistent test results. Mutated HBAq may not be detected by the test. 2. As with all diagnostic tests, all results must be interpreted together with other clinical f. The HBsAg EIA Test Kit is used for the detection of HBsAg in human serum or plasma. Diagnosis of an infectious disease should not be established based on a single test result. Further testing.
- 3. As with other sensitive immunoassays, there is the possibility that non-repeatable reactive results may occur due to inadequate washing. The results may be affected due to procedural or instrument information available to the physician.

- 4. False positive results may occur due to high titers of Heterophilic Anti Mouse Antibodies (HAMA). Erroneous result may also be due to fibrin particles and microbial contamination.

 5. False negative results may occur if the quantity of HBAAg present in the specimen is lower than the analytical sensitivity of the test, or if HBsAg is not present during the stage of disease when the specimen was collected
- 6. The Positive Control in the test kit is not to be used to quantify assay sensitivity. The Positive Control is used to verify that the test kit components are capable of detecting a reactive specimen provided the procedure is followed as defined in the kit and the storage conditions have been

PERFORMANCE CHARACTERISTICS

The analytical sensitivity of the HBsAg EIA Test Kit has been determined using reference HBsAg standards, ad and ay subtypes. The analytical sensitivity is 0.2 IU/mL using the standard procedure and 0.1 IU/mL using the enhanced procedure, which were all confirmed using the WHO NISBC International Standard with code number 01/476-011-WIL for HBsAg.

Clinical Sensitivity and Specificity

The HBsAg EIA Test Kit has correctly identified specimens of a seroconversion panel and has been compared with a leading commercial HBsAg EIA test using clinical specimens. The results show that the clinical sensitivity of the HBsAg EIA Test Kit is >89.9%, and the clinical specificity is 99.9%.

Clinical Sensitivity: >99.9% (99.4-100.0%) Overall Agreement: 99.9% (99.9-100.0%)	Total Result		HBsAg EIA		Method	
9% (99.4-100.0%) 9% (99.9-100.0%)	sults	Negative	Positive	Results	ă	
6),	562	0	562	Positive	Oth	nosag Ela vs. Other Ela
Clinical Specificity	5,237	5,234	3	Negative	Other EIA	er EIA
Clinical Specificity: 99.9% (99.8-100.0%)* 95% Confidence Interval	5,799	5,234	565	clineau ipioi	Total Bossille	

Intra-Assay: Within-run precision has been determined by using 10 replicates of three specimens: a low positive, a medium positive, and a high positive.

Inter-Assay: Between-run precision has been determined by 3 independent assays on the same three specimens: a low positive, a medium positive, and a high positive. Three different lots of the HBsAg EIA Test Kit have been tested using these specimens over a 5-day period.

Intra-Assay Standard Coefficient of Absorbance Deviation Variation (%) /Cut-Off 0.008 6.061 1.367 0.060 5.282 13.378	Coefficient of Absorbance Variation (%) /Cut-Off 6.061 1.367
Mean Absorbance /Cut-Off 1,367	
	Standard Deviation 0.011 0.091

- Blumberg, B.S. The Discovery of Australian Antigen and its Relation to Viral Hepatitis. Vitro 1971;7:223.
- Krugman, S. Glies J.P. Viral Hepatitis, Type B (MS-2-Strain), Further Observations on Natural History and Prevention. New England Journal of Medicine, 288, 755.
 Krugman, S., Overby L.R. et al. Viral Hepatitis Type B Studies On Natural History and Prevention Re-examined. New England Journal of Medicine, 300, 101.

Index of Symbols

Microwell Plate Microwell Plate	Centrel - Negative Control	Wash Buffer 25s (25x)	HBsAg .	Store between 2-8°C	IVD diagnostic use only	instructions for use
Stop Solution		Conjugate	Substrate A	LOT	■ ⊠	W
Stop Solution Stop Solution	Plate Scaler Plate Sealer	Conjugate	Substrate A Substrate A	Lot Number	Use by	Tests per kit
Package Insert	Control +	Substrate B	[DEE		L
Package Insert Package Insert	Positive Control	Substrate B Substrate B	in the second	Catalon #	Maidiacuigi	





ACON Laboratories, Inc. 10125 Mesa Rim Road, San Diego, CA 92121, USA



Foresight

HCV Antibody EIA Test Kit Package Insert

REF 1231-1031 English

(HCV) in human serum or plasma An enzyme immunoassay (EIA) for the qualitative INTENDED USE detection of IgG antibodies to Hepatitis C Virus

antibodies to Hepatitis C Virus (HCV) in human serum or plasma. It is intended for screening and as The HCV Antibody aid in the diagnosis of possible Hepatitis C infection EIA Test Kit is a qualitative enzyme immunoassay for the detection of IgG SUMMARY

Hepatitis C Virus is a small, enveloped, positive-sense, single-stranded RNA Virus, HCV is now known to be the major cause of parenterally transmitted non-A, non-B hepatitis. HCV infection causes a wide variety of chronic liver disease, cirrhosis and liver cancer. The main route of transmission of the virus is wit transfusion of blood and blood products, organ transplantation, and sharing contaminated needles and syringes. Antibodies to HCV is found in over 80% of patients with well-documented non-A, non-B hepatitis. Cloning the viral genome has made it possible to develop serologic assays that use recombinant antigens. "I Compared to the first generation HCV EIA tests using single recombinant antigen, new serologic tests incorporate recombinant protein and/or synthetic peptide antigens to avoid nonspecific cross-reactivity and to increase the sensitivity."

The HCV Antibody EIA Test Kit is a third generation immunoassay for the qualitative detection of the presence of IgG antibodies to HCV in serum or plasma specimen. The test utilizes recombinant in salactivable detect antibodies to HCV in serum or plasma.

PRINCIPLE

The HCV Antibody EIA Test Kit is a solid phase qualitative indirect simultaneous enzyme immunoassay for the detection of IgG antibodies to HCV in human serum or plasma. The microwell plate is coated with HCV recombinant antigens. During testing, the specimen diluent and the specimens are added to the antigen coated microwell plate and then incubated. It the specimens contain antibodies to HCV, it will bind to the antigens coated on the microplate to form immobilized antigen-HCV antibody complexes. If the specimens do not contain antibodies to HCV, the complexes will not be formed. After initial incubation, the microwell plate is washed to remove plate and incubated. The enzyme-conjugated anti-human IgG antibodies are added to the microwell plate is washed to remove unbound materials. The enzyme-conjugated anti-human IgG antibodies will bind to the immobilized antigen-HCV antibody complexes present. After the second incubation, the microwell plate is washed to remove unbound materials. Substrate A and substrate B are added and then incubated to produce a blue color indicating the amount of HCV antibodies present in the specimen. Sulfuric acid solution is added to the microwell plate to stop the reaction producing a color change from blue to yellow. The color intensity, which corresponds to the amount of HCV antibodies present in the specimen, is measured with a microplate reader at 450,830-700 nm or 450 nm.

- For professional in vitro diagnostic use only. Do not use after expiration date
- Do not mix reagents from other kits with different lot numbers
- Avoid cross contamination between reagents to ensure valid test results
- Follow the wash procedure to ensure optimum assay performance.
- Use Plate Sealer to cover microwell plate during incubation to minimize evaporation.
- Use a new pipet tip for each specimen assayed
- Ensure that the bottom of the plate is clean and dry and that no bubbles are present on the surface of the liquid before reading the plate. Do not allow wells to dry out during the assay
- plate with fingertips. Do not touch the bottom of the wells with pipette tips. Do not touch the bottom of the microwell

No

All equipment should be used with care, calibrated regularly and maintained following the Do not allow sodium hypochlorite furnes from chlorine bleach or other sources to contact the microwell plate during the assay as the color reaction may be inhibited

HEALTH AND SAFETY INFORMATION

- these reagents and human specimens be handled using established good laboratory working practices. Wear disposable gloves and other protective clothing such as laboratory coats and eye protection while handling kit reagents and specimens. Wash hands thoroughly when finished.

 ProClin[™] 300 is included as a preservative in the Conjugate, Concentrated Wash Buffer, Specimen Diluent, Substrate and Controls, Avoid any contact with skin or eyes. Some components of this kit contain human blood derivatives. No known test method can offer complete assurance that products derived from human blood will not transmit infectious agents. Therefore, all blood derivatives should be considered potentially infectious. It is recommended that

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Do not eat, drink or smoke in the area where the specimens or kits are handled. Do not pipette by mouth

- Avoid any contact of Substrate A, Substrate B, and Stop Solution with skin or mucosa. The Stop Solution contains 0.5M suffuric acid which is a strong acid. If spills occur, wipe immediately with large amounts of water. If the acid contacts the skin or eyes, flush with large amounts of water
- and seek medical attention.

 Non-disposable apparatus should be sterilized after use. The preferred method is to autodave for one hour at 121°C. Disposables should be autodaved or incinerated. Do not autodave materials containing
- sodium hypochlorite.

 Handle and dispose all specimens and materials used to perform the test as if they contained infectious agents. Observe established precautions against microbiological hazards throughout all the procedures and follow the standard procedures for proper disposal of specimens, observe Good Laboratory Practices when handling chemicals and potentially infectious material. Observe Good Laboratory Practices when handling chemicals and potentially infectious material.
- decontamination and by following local, state and federal regulations.

 Neutralized acids and other liquids should be decontaminated by adding sufficient volume of sodium hypochlorite to obtain a final concentration of at least 1,0%. A 30 minute exposure to a 1.0% sodium hypochlorite may be necessary to ensure effective decontamination

STORAGE AND STABILITY

- are stable for up to 3 months after the first opening date if stored between 2-8°C. Return reagents to 2-8°C immediately after use. Unopened test kits should be stored at 2-8°C upon receipt. All unopened through the expiration date printed on the box if stored between 2-8°C. Once opened, all reagents ened reagents are stable
- Allow the sealed pouch to reach room temperature before opening the pouch and remove the required number of strips to prevent condensation of the microwell plate. The remaining unused strips should be stored in the original resealable pouch with desiccant supplied at 2-8°C and can be used within 3 months of the opening date. Return the remaining unused strips and supplied desiccant to the original resealable pouch, firmly press the seal closure to seal the pouch desiccant to the original resealable pouch. completely and immediately store at 2-8°C.
- Concentrated Wash Buffer may be stored at room temperature to avoid crystallization. If crystals are present, warm up the solution at 37°C. Working Wash Buffer is stable for 2 weeks at room
- Do not expose reagents especially the Substrate to strong light or hypochlorite furnes during storage or incubation steps.
- Do not store Stop Solution in a shallow dish or return it to the original bottle after use.

SPECIMEN COLLECTION AND PREPARATION

- The HCV Antibody EIA Test Kit can be performed using only human serum or plasma collected from venipuncture whole blood
- EDTA, sodium heparin, and ACD collection tubes may be used to collect venipuncture whole blood and plasma specimens. The preservative sodium azide inactivates horseradish peroxide and may lead to erroneous results
- Separate serum or plasma from blood as soon as possible to avoid hemolysis. Grossly hemolytic, lipidic or furbid samples should not be used. Specimen with extensive particulate should be clarified by centrifugation prior to use. Do not use specimens with fibrin particles or contaminated with microbial growth
- Serum and plasma specimens may be stored at 2-8°C for up to 7 days prior to assaying. For long term storage, specimens should be kept frozen below -20°C
- Bring specimens to room temperature prior to testing. Frozen specimens must be completely thawed and mixed well prior to testing. Specimens should not be frozen and thawed repeatedly
- covering the transportation of etiologic a If specimens are to be shipped, they should be packed in compliance with local regulations

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Package insert	Plate sealers	HCV Positive Control	HCV Negative Control	Stop Solution
		Inactivated serum containing antibodies to HCV and negative for HBsAg, HIV-1, and HIV-2. Preservative: 0.1% ProClin™ 300	Normal serum non-reactive for HCV, HBsAg, HIV-1, and HIV-2; Preservative: 0.1% ProClin 300	0.5M Sulfuric acid
	3	1 x 0,4 ml	1 x 0.4 ml	1×8ml
-	15	5 x 0,4 ml	5 x 0.4 ml	5x8ml

Sodium hypochlorite solution for Disposable gloves Calibrated automatic or manual microwell plate • Disposable reagent reservoirs Water bath or incubator capable of Absorbent paper or paper towel 350 µl/well washer capable of aspirating and dispensing naintaining 37°C ± 2°C

- Freshly distilled or deionized water Materials Required But Not Provided Graduated cylinders for wash buffer dilution Calibrated micropipettes with disposable tips capable of dispensing 10, 50, and 100 µl
- Vortex mixer for specimen mixing (optional)
- Calibrated microplate reader capable of reading at 450 nm with a 630-700 nm

reference filter, or reading at 450 nm without a

processor (optional)

must be strictly followed. Assay must proceed to completion within time limits. Arrange the controls so that well A1 is the Blank well. From well A1, arrange the controls in a horizontal or vertical configuration. The procedure below assigns specific wells arranged in a vertical configuration. Configuration may depend upon software Allow reagents and specimens to reach room temper DIRECTIONS FOR USE sture (15-30°C) prior to testing. The procedure

(C)	4	ω	N	-	0		Step
Add 100 µl of Conjugate to each well except on the Blank well. (Red Reagent)	Remove the Plate Sealer. Wash each well 5 times by filling each well with 350 µl Wash each well 9 times by filling each well with 350 µl Wash each well of Working Wash Buffer, then remove the liquid. Turn the microwell plate upside down on absorbery — Yum the microwell plate upside down on absorbery — Yum the microwell tissue for a few seconds. Ensure that all wells believe to down or absorbery been completely washed and dried. Note: Improper washing may cause false positions.	 Mix gently by swirling the microwell plate on a flat bench for 30 seconds. Cover the microwell plate with the Plate Sealer and incubate in a water bath or an incubator at 37°C ± 2°C for 30 minutes ± 2 minutes. 	Add 10 µl of Negative Control in wells B1 and C1. (Blue Reagent) Add 10 µl of Positive Control in wells D1 and E1. (Red Reagent) Add 10 µl of Sectimen to assigned wells starting at F1. Then a color change from green to blue will occur to venify that the specimen has been added.	 Add 100 µl Specimen Diluent in respective wells including Negative Control, Positive Control, Blank and specimen wells. (Green Reagent) 	Leave A1 as Blank well.	 Prepare Working Wash Buffer by diluting the Concentrated Wash Buffer 1:25. Pour the contents of the bottle containing the concentrated wash buffer in a graduated cylinder and fill it with freshly distilled or delonized water to 1:250 ml for 96 wells/plate testing. The Working Wash Buffer is stable for 2 weeks at 15-30°C. Note: If crystals are present in the Concentrated Wash Buffer, warm it up at 37°C until all crystals dissolve. Remove unused strips from the microwell paler, and store in the original resealable pouch at 2-8°C. 	Detailed Procedure
• Add 100 Lt of minimals to each	Remove the Plate Sealer Wash each well 5 times with Structure of the sealer with 5 times with Structure of the sealer Tym the miggivel sale upside down or absorben) have CTUR	Mix gently Cover the microwell plate with the Plate Sealer and incubate at 37°C for 30 min	B1 and C1: Add 10 µl Negative Control D1 and E1: Add 10 µl Positive Control Starting F1: Add 10 µl specimen Starting F1: Add 10 µl specimen	• Add 100 µl Specimen Diluent	Leave A1 as Blank well	Prepare Working Wash Buffer by diluting the Concentrated Wash Buffer 1:25 Remove and store unused strips at 2-8°C	Simplified Procedure

30 min	strongly recommended to read it at 450 nm, but it is strongly recommended to read it at 450/630-700 nm for better results.	=
 Read at 450/630-700 nm within 	4	L
 Remove the Plate Sealer Add 50 µl of Stop Solution to each well 	 Remove the Plate Sealer. Add 50 µl of Stop Solution to each well. (Clear Reagent) Then a yellow color should develop in wells containing Positive specimens. 	10
37°C for 10 min	2°C for 10 minutes ± 1 minute.	
Mix then cover microwell plate with Plate Sealer and incubate at	 Mix gently then cover microwell plate with Plate Sealer and incubate in a water bath or incubator at 37°C ± 	9
	 Then a blue color should develop in wells containing Positive specimens. 	
Substrate Solution to each well.	in a clean glass or plastic vessel; mix well. Add 100 µL. Working Substrate Solution to each well. NOTE: The Working Substrate Solution should be used within 30 minutes.	00
Add 50 µl of Substrate A to each well Add 50 µl of Substrate B to each well	Add 50 µl of Substrate A to each well. (Clear Reagent) Add 50 µl of Substrate B to each well. (Clear Reagent) Substrate A and Substrate B can also be mixed together Substrate A and Substrate B can also be mixed together Substrate A and Substrate B can also be mixed together Substrate A to each well.	
Repeat Step 4	Repeat Step 4.	7
 Cover the microwell plate with the Plate Sealer and incubate at 37°C for 30 min 	Cover with microwell plate with the Plate Sealer and • Cover the microwell plate with incubate in a waterbath or an incubator at 37°C ± 2°C the Plate Sealer and incubate at 5°C 30 minutes ± 2 minutes. 37°C for 30 minutes ± 2 minutes.	6

incubation times may vary depending on the processors used but do not program less incubation times than the procedure listed above. When automatic EIA microplate processors are used, periodic Automatic EIA microplate processors may be used to perform the assay after validating the results to ensure they are equivalent to those obtained using the manual method for the same specimens. is recommended to ensure proper results.

AUTOMATED PROCESSING

Example of Negative Control Calculation

Calculate the Mean Absorbance of Negative Control and Positive Control by referring to the table

VALIDATION REQUIREMENTS AND QUALITY CONTROL

in the state of th	1001
Item	Absorbance
Negative Control: Well B1	0.014
Negative Control: Well C1	0013
	210.0
I otal Absorbance of Negative Control	0.014 + 0.012 = 0.026
Mean Absorbance of Negative Control	0.026/2 = 0.013
Blank Absorbance: Well A1	0.006
NCx Mean Absorbance of Negative Control - Black Absorbance	0012 0005 - 0007
Common Section of Charles College - Digital Absorbance	0013-008-0007

2. Check the validation requirements below to determine if the test results are valid

Item	Validation Requirements
Blank Well	Blank Absorbance should be < 0.050 if read at 450/630-700 nm Note: It should be < 0.100 if read at 450 nm
Negative Control	Mean Absorbance after subtraction of Blank Absorbance should be < 0.100
Positive Control	Mean Absorbance after subtraction of Blank Absorbance should be > 1,000
NOTE: The test re	NOTE: The test results are considered invalid if the above validation requirements are not met.

Repeat the test results are considered invalid if the above validation requirements Repeat the test or contact your local distributor. are not

Calculate the Cut-Off Value using the following formula if the test results are valid Example of Cut-Off Value Calculation

0.007 + 0.145 = 0.152	
- Contract the con	Cut-Off Value: NCx + 0.145
0.007	NCX
Absorbance	ilem

NON-REACTIVE: Specimens with absorbance less than the Cut-Off Value are non-reactive for antibodies to HCV and may be considered negative.

REACTIVE:* Specimens with absorbance greater than or equal to the Cut-Off Value are considered initially reactive for antibodies to HCV. The specimen should be retested in duplicate before final interpretation. Specimens that are reactive in at least one of the re-test are presumed to be

repeatedly reactive and should be confirmed using confirmatory testing. Specimens that are non-reactive on both retests should be considered non-reactive.

*NOTE: Specimens with values within ±10% of the Cul-Off Value should be retested in duplicates

- 1. The HCV Antibody EIA Test Kit is used for the detection of antibodies to HCV in human serum or plasma. Diagnosis of an infectious disease should not be established based on a single test result. Further testing, including confirmatory testing, should be performed before a specimen is considered positive. A non-reactive test result does not exclude the possibility of exposure. Specimens containing precipitate may give inconsistent test results.
 2. As with all diagnostic tests, all results must be interpreted together with other clinical information available to the physician.
- As with other sensitive immunoassays, there is the possibility that non-repeatable reaction may occur due to inadequate washing. The results may be affected due to procedural or instrument
- 4. The Positive Control in the test kit is not to be used to quantify assay sensitivity. The Positive Control is used to verify that the test kit components are capable of detecting a reactive specimen provided the precedure is followed as defined in the kit and the storage conditions have been

PERFORMANCE CHARACTERISTICS

The HCV Antibody EIA Test Kit has correctly identified specimens of a seroconversion panel and has been compared to a leading commercial EIA HCV test using clinical specimens. The results show that the clinical sensitivity of the HCV Antibody EIA Test Kit is >99.9%, and the clinical specificity is 99.8%.

HCV Antibody EIA vs. Other EIA

Nethod Ott	ults litive ative
	Other EIA

Overall Agreement 99.8% (99.6-100.0%)

Clinical Specificity: 99.8% (99.5-100.0%)*

*95% Confidence Interval

a low positive, medium positive and a high positive. Intra-Assay: Within-run precision has been determined by using 15 replicates of three specimens

Inter-Assay: Between-run precision has been determined by 3 independent assays on the same three specimens: a low positive, a medium positive and a high positive. Three different lots of the HCV Antibody EIA Test Kit have been tested using these specimens over a 5-day period.

		Intra-Assay			Inter-Assay	
Specimen	Mean Absorbance/ Cut-Off	Standard Deviation	Coefficient of Variation (%)	Mean Absorbance/ Cut-Off	Standard Deviation	Coefficient of Variation (%)
1	3.259	0.213	6,535	3.731	0.312	8.362
2	6,168	0.404	6,549	7.811	0.630	8.066
3	16.712	0.970	5.804	14.445	0.983	6.805

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- 2. Kuo, G., Q.L. Choo, H.J. Alter, and M. Houghton. An Assay for Circulating Antibodies to a Major
- Etiologic Virus of Human Non-A, Non-B Hepatitis. Science. 1989;244:362.

 3. Van der Poet, C. L., H. I. M. Cuypers, H.W. Reesink, and P.N.Lelie. Confirmation of Hepatitis C Virus Infection by New Four-antigen Recombinant Immunoblot Assay, Lancet 1991;337:317.

 4. Wilber, J.C. Development and Use of Laboratory Tests for Hepatitis C Infection: A Review. J.
- Clinical Immunoassay, 1993;16:204.

Index of Symbols

Specimen Dükent	Microwell Plate	Control -	Wash Buffer	HCV	IVD	1
Specimen Diluent	Microwell Plate	Negative Control	Wash Buffer (25x)	HCV	For in vitro diagnostic use only	for use
Plate Sealer	Stop Solution	Conjugate	Substrat A	LOT	I XO	A
Plate Sealer	Stop Solution	Conjugate	Substrate A	Lot Number	Use by	Tests per kit
	Package Insert	Centret +	Substrat B	REF	1. Jun	E
	Package Insert	Centret + Positive Control	Substrat B Substrate B	Catalog #	Store between 2-8°C	Manufacturer





ACON Laboratories, Inc. 10125 Mesa Rim Road. San Diego, CA 92121, USA



Atlas Medical

ATLAS C-REACTIVE PROTEIN (CRP) LATEX KIT

For the qualitative and semi-quantitative measurement of C-reactive protein (CRP) in human serum

Š For in -vitro diagnostic and professional use only

or 4 Store at 2-8°C

INTENDED USE

human serum qualitatively and semi- quantitatively. Atlas C-Reactive Protein (CRP) is used to measure the CRP in

INTRODUCTION

such as capillary precipitation, double immunodiffusion and radical immunodiffusion. immunological assays have been devised to measure CRP than the C-polysaccharide assay. Since that time a number of produced against purified CRP provided a more sensitive test ischemic conditions. MacLeod and Avery found that antibody index of disease activity in inflammatory, infective and measurement of CRP in serum therefore appears to be a valuable screening test for organic disease and a sensitive as 1,000-fold in response to injury or infection. The clinical only in trace amounts in serum, but it can increase as much serum, is synthesized by hepatocytes. Normally, it is present C-reactive protein (CRP), the classic acute-phase of human

advantage of this method is the rapid two (2) minute reaction agglutination assay described by Singer and Plotz. The major The CRP reagent kit is based on the principle of the latex

PRINCIPLE

reagent, visible agglutination occurs containing greater than 6 mg/L CRP is mixed with the latex particles and CRP in the test specimen. When serum between CRP Antisera bound to biologically inert latex The CRP reagent kit is based on an immunological reaction

MATERIALS

MATERIALS PROVIDED

CRP Latex Reagent:Latex particles coated with goat IgG anti-human CRP, pH 8.2 MIX WELL BEFORE USE.

- human serum containing >20mg/L CRP. CRP Positive Control Serum: A stabilized pre-diluted
- CRP Negative Control Serum: A stabilized pre-diluted
- Glass Slides.
- Stirring Sticks.

MATERIALS REQUIRED BUT NOT PROVIDED

- Mechanical rotator with adjustable speed at 80-100
- Vortex mixer
- Pippetes 50 µL
- Glycine Buffer (20x): add one part to nineteen parts of distilled water before use.

PRECAUTIONS

- Reagents containing sodium azide may be combined azide buildup. explosive metal azides. Dispose of reagents by flushing with large amounts of water to prevent with copper and lead plumbing to form highly
- For In Vitro diagnostic use
- antigen (HBsAg) by FDA required test; however, human serum found negative for hepatitis B surface Positive and negative controls prepared using handle controls as if potentially infectious.
- dispensing. with the latex and hold perpendicularly when latex reagent (40µl). Use only the dropper provided Accuracy of the test depends on the drop size of the
- Glass slides should be thoroughly rinsed with water and wiped with lint-free tissue after each use

STORAGE AND STABILITY

- bottle label when stored refrigerated (2 8°C) Reagents are stable until specified expiry date on DO NOT FREEZE.
- should be considered normal refrigerated, a slight sedimentation may occur and uniform without visible clumping. When stored The CRP latex reagent, once shaken must be
- Do not use the latex reagent or controls if they become contaminated

SPECIMEN COLLECTION AND STORAGE

Use fresh serum collected by centrifuging clotted

- store the specimen for 7 days at 2-8°C and for 3 If the test cannot be carried out on the same day, months at -20°C.
- For longer periods the sample must be frozen.
- As in all serological tests, hemolytic contaminated serum must not be used. 9
- Do not use plasma

PROCEDURE

A.QUALITATIVE TEST:

- Allow the reagents and samples to reach room reduced at low temperatures. temperature. The sensitivity of the test may be
- Place 40 µL of the sample and one drop of each Positive and Negative controls into separate circles on the slide test.
- mixer before using and add one drop (40 µL) next to Mix the CRP-latex reagent vigorously or on a vortex the samples to be tested.
- Mix the drops with a stirrer, spreading them over the entire surface of the circle. Use different stirrers for each sample.
- Place the slide on a mechanical rotator at 80-100 r.p.m. for 2 minutes. False positive results could appear if the test is read later than two minutes.

B.SEMI-QUANTITATIVE TEST:

- Make serial two fold dilutions of the sample in 9 g/L saline solution.
- Proceed for each dilution as in method the qualitative

QUALITY CONTROL

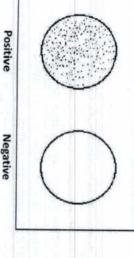
pattern for a better result interpretation. the performance of the procedure, as well as a comparative Positive and Negative controls are recommended to monitor

considered as a positive. All result different from the negative control result, will be

A.QUALITATIVE TEST: INTERPRETATION OF RESULTS

A **negative** reaction is indicated

agglutination in the reaction mixture. The specimen reaction A positive reaction is indicated suspension with no agglutination as observed with the CRP Negative Control. should be compared to the CRP Negative Control The Dipfform milky any observable CONTRACT



Positive

Figure 1

B. Semi-QUANTITATIVE TEST:

The approximate CRP concentration in the patient sample is calculated as follow:

6×CRP titer = --- mg/L

INTERFERENCES

NONE INTERFERING SUBSTANCES:

- Hemoglobin (10g/dl)
- Bilirubin(20mg/dl)
- Lipemia(10g/dl)
- Other substances interfere, such as RF (100IU/ml).

NOTE

- High CRP concentration samples may give negative results . Retest the sample again using a drop of 20µl.
- CRP concentration in the samples tested The strength of agglutination is not indicative of the
- Clinical diagnosis should not be made on findings of a and laboratory data. single test result, but should integrate both clinical

LIMITATIONS

- Reaction time is critical. If reaction time exceeds two (2) minutes, drying of the reaction mixture may cause false positive results.
- Freezing the CRP Latex Reagent will result in spontaneous agglutination.
- screening reactions should not be graded indicative of relative CRP concentration; therefore, Intensity of agglutination is not necessarily
- 4 a 1:10 dilution with glycine buffer. therefore, to check all negative sera by retesting at A false negative can be attributed to a prozone phenomenon (antigen excess). It is recommended,

REFERENCE VALUES

Up to 6 mg/L. Each laboratory should establish its own reference

PERFORMANCE CHARACTERISTICS

- Sensitivity: 6(5-10) mg/L
- detected up to 1600 mg/L Prozone effect: No prozone effect was
- Diagnostic sensitivity: 95.6 %.
- Diagnostic specificity: 96.2 %.

REFERENCES

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ATLAS MEDICAL

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Manufacturer telephone number	Manufacturer fax number	Fragile, handle with care	Lot (batch) number	Number of tests in the pack	For In-Vitro Diagnostic use	Catalogue Number	Rev H (06.06.2017)
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	Do not use if package is damaged	Expiry date	Manufacturer	Read product insert before use	Caution	Store at	



Atlas Medical

ATLAS RHEUMATOID FACTOR (RF) LATEX KIT

latex slide test for the qualitative and semi-quantitative measurement of RF in human serum.

IVD For In-Vitro diagnostic and professional use only

Store at 2-8°C

INTENDED USE

A latex slide test for the qualitative and semi-quantitative measurement of RF in human serum

INTRODUCTION

useful for diagnosis and monitoring of the disease. Their frequent occurrence in rheumatoid arthritis makes them antigenic sites in the Fc fragment of human and animal IgG Rheumatoid factors (RF) are antibodies directed against

reaction time) and lack of heterophile antibody interference. advantage of this method is rapid performance (2 minute latex agglutination assay of Singer and Plotz .The major by Singer and Plotz. The RF kit is based on the principle of the beads coated with human gamma globulin was later described more sensitive reagent consisting of biologically inert latex sensitized sheep red cells, as observed by Waaler and Rose A the ability of rheumatoid arthritis sera to agglutinate One method used for rheumatoid factor detection is based or

visible agglutination occurs. containing rheumatoid factors is mixed with the latex reagent, and rheumatoid factors in the test specimen. When serum between human IgG bound to biologically inert latex particles The RF reagent is based on an immunological reaction

MATERIALS

MATERIALS PROVIDED

- RF Latex Reagent: Latex particles coated with human N-dimethylformamide . gamma-globulin, pH, 8,2. Preservative. Contains N
- RF Positive Control Serum: Human serum with a RF concentration > 30 IU/mL.Preservative

- Preservative. Negative Control Serum:Animal
- Reaction Slide
- Stirring sticks

MATERIALS REQUIRED BUT NOT PROVIDED

- Test Tubes (for dilution)
- Serological pipettes (for sample addition and for
- Rotator (optional)
- Glycine Buffer (20x): add one part to nineteen parts of distilled water before use

PRECAUTIONS

- All reagents contain 0.1 %(w/v) sodium azide as a preservative.
- explosive metal azides. Dispose of reagents by flushing with copper and lead plumbing to form highly Reagents containing sodium azide may be combined with large amounts of water to prevent azide buildup.
- For In Vitro diagnostic use.
- controls as if potentially infectious. Positive and negative controls prepared using human serum found negative for hepatitis B surface antigen (HBsAg) by FDA required test; however, handle
- with latex and hold it perpendicularly when dispensing. latex reagent (40µI). Use only the dropper supplied Accuracy of the test depends on the drop size of the
- specimen, and glass slides should be thoroughly rinsed with water and wiped with lint-free tissue after each Use a clean pipette tip and stirring stick for each
- Check reactivity of the reagent using the controls provided

STORAGE AND STABILITY

- Reagents are stable until specified expiry date on bottle label when stored refrigerated (2-8°C)
- Do not freeze.
- considered normal slight sedimentation may occur and should be without visible clumping. When stored refrigerated, a The RF latex reagent, once shaken must be uniform
- Do not use the latex reagent or controls if they become

SPECIMEN COLLECTION AND STORAGE

serum.

- Use fresh serum collected by centrifuging clotted
- If the test cannot be carried out on the same day, store the specimen for 7 days at 2-8°C and for 3 months at
- As in all serological tests, hemolytic or contaminated serum must not be used
- Do not use PLASMA

PROCEDURE

Qualitative method

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

Semi-quantitative method

- Make serial two fold dilutions of the sample in 9 g/L
- 2. Proceed for each dilution as in the qualitative method.

READING AND INTERPRETATION

the highest dilution showing a positive pesuit The titer, in the semi-quantitative method is defined a RF concentration equal or greater than 8 IU/mL (Note 1). from the rotator. The presence of agglutination indicates a visible agglutination immediately after removing the slide Examine macroscopically the presence or absence of

The approximate RF concentration in the as follows

8 x RF Titer = IU/m SALL

INTERFERENCES

NON INTERFERING SUBSTANCES:

- Hemoglobin (10g/dl)
- Bilirubin(20mg/dl)
- Lipemia(10g/dl)

Other substances may interfere.

QUALITY CONTROL

- RF Positive and Negative Control should be included in each test batch.
- Acceptable performance is indicated when a uniform milky suspension with no agglutination is observed with the RF Negative Control and agglutination with large aggregates is observed with the RF Positive Control.

PERFORMANCE CHARACTERISTICS

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

The diagnostic sensitivity and specificity have been obtained using 118 samples compared with the same method of a computer.

LIMITATIONS

- Reaction time is critical. If reaction time exceeds 2 minutes, drying of the reaction mixture may cause false positive result.
- Freezing the RF Latex Reagent will result in spontaneous agglutination.
- Intensity of agglutination is not necessarily indicative of relative RF concentration; therefore, screening reactions should not be graded.
- Increased levels of RF may be found in some diseases other than rheumatoid arthritis such as infectious mononucleosis, sarcodosis, lupus erythrematosus, Sjogren's syndrome.
- Certain patients with rheumatoid arthritis will not have the RF present in their serum.

- 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 Waaler Rose test along with the clinical examination.

REFERENCE VALUES

Up to 8 IU/mL. Each laboratory should establish its own reference range.

NOTES

Results obtained with a latex method do not compare with those obtained with Waaler Rose test. Differences in the results between methods do not reflect differences in the ability to detect rheumatoid factors.

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PPI008A01, Rev H (17.06.2017)

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	Do not use if package is damaged	Expiry date	Manufacturer	Read product insert before use	Caution	Store at

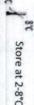




ANTISTREPTOLYSIN-O (ASO) LATEX SLIDE

For the qualitative and quantitative measurement of antibodies to Antistreptolysin-O in human serum

IVD For in -vitro diagnostic and professional use only



INTENDED USE

Antistreptolysin-O in human serum. the qualitative and quantitative measurement of antibodies to ATLAS ANTISTREPTOLYSIN-O (ASO) latex slide Test is used for

INTRODUCTION

0, was discovered by Todd in 1932. that can act as antigens. One of these exotoxins streptolysin-The group A ß-hemolytic streptococci produces various toxins

the -hemolytic streptococcal. patient's serum will establish the degree of infection due to which is antistreptolysin-O. The quantity of this antibody in a produces specific antibodies against these exotoxins, one of A person infected with group A -hemolytic streptococci

establishment of a qualitative and quantitative test for the latex particles on slide determination of the antistreptolysin-O by agglutination of activity of streptolysin-O. This property enables the antibody reaction occurs independently of the hemolytic titrated and reduced streptolysin-O. However, the antigenantistreptolysin titer is based on the inhibitory effect that the patient's serum produces on the hemolytic power of a pre-The usual procedure for the determination of the

latex particles and streptococcal antibodies in the test sample. between streptococcal exotoxins bound to biologically inert are present in the test specimen Visible agglutination occurs when increased antibody level ASO test method is based on an immunologic reaction

MATERIALS PROVIDED MATERIALS

- streptolysin O, pH, 8,2. Preservative ASO Latex Reagent: Latex particles coated with
- ASO concentration > 200 IU/mL.Preservative ASO Positive Control(Red cap): Human serum with an
- ASO Negative Control (Blue cap) Animal serum. Preservative
- Reaction Slide
- Stirring Sticks.

MATERIALS REQUIRED BUT NOT PROVIDED

- Test Tubes 12x75mm
- Test Tube Rack.
- Serological pipettes
- High intensity light.
- Saline Solution, 0.9% NaCL

PRECAUTIONS

- All reagents contain 0.1% (w/v) sodium azide as a FREEZE. preservative. Store all reagents at 2-8°C. DO NOT
- Reagents containing sodium azide may be combined amounts of water to prevent azide build-up. metal azides. Dispose of reagents by flushing with large with copper and lead plumbing to form highly explosive
- For In Vitro diagnostic use.
- Positive and negative controls prepared using human serum found negative for hepatitis B surface antigen handle controls as if potentially infectious. (HBsAg) and HIV-III by FDA required test; however

REAGENT STORAGE AND STABILITY

- Reagents are stable until specified expiry date on bottle label when stored refrigerated (2-8°C)
- DO NOT FREEZE.
- without visible clumping. When stored refrigerated, a slight sedimentation may occur and should be The ASO Latex Reagent, once shaken must be uniform considered normal.
- Do not use the latex reagent or controls if they become contaminated.

SPECIMEN COLLECTION AND STORAGE

- Use fresh serum collected by centrifuging blood. clotted
- If the test cannot be carried out on the same day, store the specimen for 7 days at 2-8(C and for 3 months at

- For longer periods the sample must be frozen.
- As in all serological tests, hemolytic or contaminated serum must not be used.
- DO NOT USE PLASMA.

Qualitative method

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

Semi-quantitative method

- Make serial two fold dilutions of the sample in 9 g/L saline solution.
- Proceed for each dilution as in the qualitative

QUALITY CONTROL

each test batch. Positive and Negative Controls should be included in

suspension with no agglutination is observed with the ASO Acceptable performance is indicated when a uniform milky observed with the ASO Positive Control. Negative Control and agglutination with large aggregates is

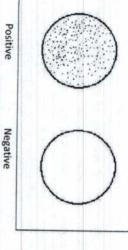
A.QUALITATIVE TEST:

with no agglutination as observed with the ASO Negative Control. A negative reaction is indicated by a uniform milky suspension

should be compared to the ASO Negative Control Fig. CIVA agglutination in the reaction mixture. The specimen reaction A positive reaction is indicated by any observab

"SANMEDIC

MITATA



Positive

Figure 1

B.QUANTITATIVE TEST

the sample with the concentration of the positive control (200 determined by multiplying the last positive dilution factor of showing a positive reaction. Concentration of ASO can be agglutination in the reaction mixture. Record the last dilution A positive reaction is indicated by any observable

which exhibits a positive reaction. The titer of the serum is the reciprocal of the highest dilution

IU/ml of sample = conc. of positive control (200) x specimen

Etc.	1:8	1:4	1:2	1:1	DILUTION
	1600	800	400	200	IU/ml

REFERENCE VALUES

Up to 200 IU/mL(adults) and 100 IU/mL (children < 5 reference range. years old)⁶. Each laboratory should establish its own

PERFORMANCE CHARACTERISTICS

Analytical sensitivity:

200 (±50) IU/ml.

PROZONE EFFECT

No prozone effect was detected up to 1500IU/ml.

SENSITIVITY

97%. SPECIFICITY

3

telephone

INTERFERENCES

NON INTERFERING SUBSTANCES:

- Hemoglobin (10g/dl)
- Bilirubin(20mg/dl)
- Lipemia(10g/dl)

Other substances may interfere

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ATLAS Medical

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Tel: ++44 (0) 1223 858 910

Fax: ++44 (0) 1223 858 524

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Rev H (09 09 2017)

		H	Ю	Ø	V	REF	nev n
Manufacturer	Manufacturer fax number	Fragile, handle with care	Lot (batch) number	Number of tests in the pack	For In-Vitro Diagnostic use	Catalogue Number	VEA U (02.02.70T/)
	®	m	L		A	4	
	Do not use if package is damaged	Expiry date	Manufacturer	Read product insert before use	Caution	Store at	





Техпластин-тест

ИНСТРУКЦИЯ

по применению набора реагентов для определения протромбинового вренени на автонатических коатулометрах (с жидким реагентом на 1000-2000 опр.)

НАЗНАЧЕНИЕ

Техниястветем техт прациальным для оценки прогромбано вого времени свертнание на авточатического контуплиетрах. Набор также вознакою использовать и на получатичествам. свертнение прогромбанов прогромбанового вы контуплиется для техтирования факторов прогромбанового из-плияства (III - прогромбана, V, VII, X) и контроля лечение антикоагулянтами непрямого действия.

ХАРАКТЕРИСТИКА НАБОРА

Принцип негода. Тронбоиластин (фаглор III, тронбо-княза) превращает програжбен плазны крев в присутствии иская кальция в активный фермент тронбои, горансования фи-мента програжбенное с прама «прем ображаюмия фи-рмен в глазне кроен в присутствии иском кальцие и тронбо-рина в глазне кроен в присутствии иском кальцие и тронбоэластина (экстракта из мозга кролика).

Состав набора:

Техтластия (трокбопластки кальциевал смось на кроличь-его мозга), сусленскя 10 мл – 10 фл.

Международный индекс чувствительности (МИЧ) указан в Паспорте к набору.

Контрольная плазна в состав набора данной конплекта-ция не входит. Для получения контрольных значений про-гробинового времени кергульанной слудует икпользовать пу-бедной троибоцитани плазны, полученной от 3-5 практически

ХАРАКТЕРИСТИКИ НАБОРА **АНАЛИТИЧЕСКИЕ**

Коэффициент вариации результатов определения про-тромбинового времени не превышает 10 %. Допустивный разброс результатов определения протром-бинового времени в одной пробе плазны крови разными на-борами одной серми не превышает 10 %.

ПРЕДОСТОРОЖНОСТИ

альные риск применени набора – класс 2а (ГОСТ

Все реагенты, входящие в набор, используются только для

Все конпоненты набора в используемых концентрациях не оясичны. Компоненты набора проверены на содержание виненения іп чіта.

русов гелатита и ВИ4.
При работе с набором следует надевать одноразовые ре-эмповые или пластиковые перчати, так как образцы плазны оржи частиковые перчати, так как образцы плазны оржи частиковые дежет рассиатривать как потещнальное ин-фицированные, слособные длительное двуем сохранеть и передавать ВИ4, вирус гелатита В ини любой другой возбуди-

тель вирусной инфекции. Все использованные изтерналы дезинфицировать в со-ответствии с требованиями МУ-287-113.

оборудование,

МАТЕРИАЛЫ, РЕАГЕНТЫ

- . Автонатический или полуавтонатический коагулонетр; центрифуга лабораторная; физикологический (0,9 %) раствор натрия хлорида; перчатки резинявие хирургические.

Каталожный номер набора: 735





АНАЛИЗИРУЕМЫХ ОБРАЗЦОВ ПРИГОТОВЛЕНИЕ

рата натрия), соотношение объемов крови и щитрата натрия 911. Кровь центрифутируют при 3000-1000 обуми (1200 g) в тежнее 15 ини. В результате получают безирую троифоцитами плазму, исторую переносит в другую пробирку, где хранят до Крояь для исследования забирают из локтевой вены в

и проведение анализа

нию и не требует каких-либо раз

Велемт 1: Белем гранбоцитам глазам, полученкая по описанному негоду (см. высе раздел «Приготовление анали-вируенка образдел») от 3-5 практически здоговых доноров, смешнаятся в равной пропорици.
Велемт 2-6 практически пропорици.
Велемт 2-6 приняти пропорици.
Велемт 2-6 приняти приня

2. Протромбиновое отношение (по) в норме по составляет 0,9-1,3.

 Автоматический коагуломет тромбиновый показатель по Квику. ический коагулометр способен вычислить про-

4. Резидиальные кормализованное отношение (АНО) автонятисский комулюнетр вынитает на осное значений ПО и нежализовализовательности (АНО), соторый указан и Володите и набоду. Нормальное ННО билко и т. 1.0. При лечении энтимату-лятиям нетричного действия объемо доводит ННО до 2,0-3,5, в зависичестви откинических показаний, чася выше ННО, те, значительнее типоколугация и тем чаще и опаснее генор-

и применения

Набор рассчитан на исследование 1000 образцов плазни ри использования большинства автонатических и получаеть натических коанулонетров. При использовании некоторых коанулонетров (при расходе жидкого Теклизстина по 0,05 мл на 1 налика) исто оградательный увелинавлетка до 2000. Хоанезие набора должно проводиться при теклературе +2... +8 "с в текние всего оржа ограждиться при теклературе етоя транспортировка при теклературе до +55 "с в текние 30 огу, а также оциноратисе замераживание. После водриятия факанов теклизстин ножно ис-пользовать при теклературе +37 "с не богое суток, комнатной

Цептрифупирование должно проводиться непосредственно после въятия крани, а отбор пязани на исследование: - сразу жё после центрифупирования. Не допускается навляя пазаны, инехощей стустии, геновых, избелох цитрата натрия и полу-ченной более 2 ч назад, а также замороженной плазмы крови.

ПРИГОТОВЛЕНИЕ РЕАГЕНТОВ

1. ПОДГОТОВКА РЕАГЕНТОВ К РАБОТЕ Техпластин входит в конплект кабора готовым к примене-

Контрольную плазну следует использовать для получении нормативных данных и контроля активности Техпластина.

2. ПРОВЕДЕНИЕ АНАЛИЗА

Информацию об особенностих проведения аналказ для определенной надели авточатического кознуловетра ножно колучить в протокоме адаптаций, который опубликован в сайте <u>ими. Испораза Балбайсти</u> (в разделе «Тротокогы адап-тация»). Чисто определений помет готинатися для разных конструкций авточатических коагулометров.

Определение контрольных (нормальных) пожазателей на полуавтонатических коагулометрах

в кювету полуветонатического коагулометра вности 0,05 мл контрольной плазны.

Инкубировать при температуре +37 °С в темение 1 мин.
 Добавить 0,1 мл Техпластина, имеющего температуру
 +37 °С, и начать отсчет времени свертывания до образования

Анализная определя прогройомовое вреня на полуав-товатическом кожулонетра в обращаю глазны больных. Чтенне результатов. Есрупата выражают по одному из стагующих вариантов. 1. По<u>тгоройомовое</u> вреня (*ПВ*) в селущах у больного с

В норме програмбиновое время, измеренное на коагуломет ре, составляет 12-18 с, при мануальной технике определения

В норме показатель по Квику при использовании Тех пластина более 60 %.

УСЛОВИЯ ХРАНЕНИЯ

тенпературе (+18... +25°C) - не более одной недели или не более 30 дней - при температуре +2... +8°C.

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АЕИГАНА ЭИНЭДЗВОЧП И ПРИГОТОВЛЕНИЕ РЕАГЕНТОВ

центрацией фибриногена. оорвати с указанной в Паспорте к набору калибраторов коноом покачивании в течение 15 мин. В результате получают держимое при комнатной температуре (+18... +25° С) и спавнести по 1,0 мл дистиллированной воды и растворить сов каждый из пяти флаконов калибраторов фибринсгена

2. ПРОВЕДЕНИЕ АНАЛИЗА

мат' иа5' иа4 и иа6' определить время свертывания разведённых калибраторов используя инструкцию для набора реагентов необходимо

-ье) «нэтониддиф-хэТитыпүМ» внэтониддиф винэлэдэдпо впд Для построения калибровочной кривой необходим набор

В зависимости от типа коагулометра существуют два ваказывается дополнительно).

коагулометров. MATNYECKNX (KAT. Nº 712) N NONYABTOMATNYECKNX (KAT. Nº 711) -отаь ялд «нэтониддиф-хэТитапуМ» вотнэтьэр вдодын етныйд

3. ЧТЕНИЕ РЕЗУЛЬТАТОВ

ставляет 5-100 с, в зависимости от концентрации фибриновремя свертывания калибровочного образца плазмы со-

ВИНЭНЭМИЧП М RNH3HA9X RN8ONJY

вание результатов для построения калибровочной кривой. ние. Однако в большинстве ситуаций рекомендуется дублировонных кривых при расходе по 0,1 мл на одно исследованабор рассчитан на выполнение не менее 10 калибро-

+2... +8 °C в течение всего срока годности набора (15 мес). Хранение набора должно проводиться при температуре

построения калибровочной кривой в течение 4 часов при ком-После разведения растворы калибраторов пригодны для течение 30 сут. допускается транспортировка при температуре до +25 °С в

натной температуре. Разведённые калибраторы не следует

AGYTAGETNR

-тидолия и ыпиниири . Бевтоомэт генооготь и . П. А томом . С '2 767 - '8007 "Ньюдиамед-АО", "Ньюдиамед-АО", 1. Баркаган З.С., Момот А.П. Диагностика и контроли-

'D 807 мы клинико-лабораторной диагностики. - СПб.: ФормаТ, 2006.

"SAMMEDICO

STYON UNI

Фибриноген-калибратор



определения концентрации фибриногена впд водотведанся вдодьн онненемидп оп

HA3HA4EHNE

ки других методов определения концентрации фибриногена, в рах. Фибриноген-калибратор не предназначен для калибровна автоматических и полуавтоматических коагуломет-Clauss без предварительного разведения исследуемой плазмы фибриногена в плазме крови модифицированным методом чений времени свертывания при определении концентрации -ые хідньоводомсья кинэмулоп клд нэменевндэдп добен

том числе набора «Тех-Фибриноген-тест».

принцип метода

656037, Buphaya, o/n 1351, TeA/Факс (3652) 22-99-37, 22-99-38, 22-99-39, 27-13-00 "тавднет Э- китопонхэТ" вмаиф ООО

AONONHNTEABHO, KAT. Nº 712 N KAT. Nº 711).

- вода дистиллированная; : nм 0,1 вн эмнчотэпип маотвеод -

.811-785-YM имкиньвододт э инвтэтэв

торов одной серии не превышает 10 %.

Линейность определения: 0,9-10,0 г/л.

- коагулометр;

тель вирусной инфекции.

TOKCNUHEI.

оти пі кинэнэмидп

P S1609-2000).

- перчатки резиновые хирургические;

каталожный номер реагента:

- набор реагентов «МультиТех-Фибриноген» (заказывается

MATEPNAJAI, PEAFEHTЫ ОБОРУДОВАНИЕ,

все использованные материалы дезинфицировать в соот-

все компоненты набора в используемых концентрациях не

все реагенты, входящие в набор, используются только для

Потенциальный риск применения набора – класс 2a (ГОСТ предосторожности **WEbPI**

рации фибриногена в одной пробе плазмы наборами калибра-

пентрации фибриногена при использовании набора калибра-

XAPAKTEPNCTNKN HABOPA *AHAJINTNHECKNE*

Допустимый разброс результатов определения концент-

коэффициент вариации результатов определения кон-

передавать ВИЧ, вирус гепатита В или любой другой возбудии аткньедхоо кмэда эоналэтилд энидооопо , эниньводициф крови человека следует рассматривать как потенциально инзиновые или пластиковые перчатки, так как образцы плазмы При работе с набором следует надевать одноразовые ре-

концентрация фибриногена для каждого калибратора ука-

Калибратор №1 (лиофильно высущенный) - 1 фл.
 Калибратор №2 (лиофильно высущенный) - 1 фл.
 Калибратор №2 (лиофильно высущенный) - 1 фл.
 Калибратор №9 (лиофильно высущенный) - 1 фл.
 Калибратор №9 (лиофильно высущенный) - 1 фл.

зана в Паспорте к набору.

торов не превышает 10 %.

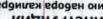
состав набора:

ному графику. центрации фибриногена, которую определяют по калибровоч-Clauss), время свертывания при этом пропорционально конной плазмы избытком тромбина (модифицированный метод

-тьстии виньвыстрения времени свертывания цитрат-

XAPAKTEPNCTNKA HABOPA

«нэтонифиф-хэТитакуМ» вотнэтвэр мофоден













1. ПОДГОТОВКА РЕАГЕНТОВ К РАБОТЕ

"тqsднят Э-китопонхэТ" вмqиф ООО

каталожный номер набора:

(1200 д) в течение 15 мин. В результате получают бедную рия - 9:1. Кровь центрифугируют при 3000-4000 об/мин рата натрия), соотношение объемрв крови и цитрата нат-3,8 % раствор натрия лимоннокислого трёхзамещенного (цитичястиковую или силиконированную пробирку, содержащую в іння моследования забирают си токтевой вены в

АНАЛИЗИРУЕМЫХ ОБРАЗЦОВ ПРИГОТОВЛЕНИЕ

заказывается дополнительно).

- Nº 714, производитель ООО фирма «Технология-Стандарт», набор калибраторов «Фибриноген-калибратор» (кат.
 - иернятки резиновые хирургические;
 - , кенневодиплитэмд бдов -
 - дозаторы пипеточные на 0,1-0,2, 10,0 мл;
 - полуавтоматический коагулометр;
 - ; кендотедодел втуфидтнэД -

MATEPNAJU, PEATEHTЫ ОБОРУДОВАНИЕ,

. ЕІТ-782-ҰМ имкиньводедт э пивтэтевто

все использованные материалы дезинфицировать в сотель вирусной инфекции.

передавать ВИЧ, вирус гепатита В или любой другой возбудиинфицированные, способные длительное время сохранять и мы крови человека следует рассматривать как потенциально резиновые или пластиковые перчатки, так как образцы плаз-При работе с набором следует надевать одноразовые

LOKCNHHPI' все компоненты набора в используемых концентрациях не

оти пі кинэнэмидп все реагенты, входящие в набор, используются только для

P 51609-2000). Потенциальный риск применения набора – класс 2а (ГОСТ

ПРЕДОСТОРОЖНОСТИ WEbPI

одной серии не превышает 10 %; рации фибриногена в одной пробе плазмы разными наборами

Допустимый разброс результатов определения концент-

, кинэпэдэдпо ізтьтапує эд одержание гепарина в плазме до 1,0 Ep/ил не влияет на

центрации фибриногена не превышает 10 %, -ноя кинеледенно вотьтатурен индеменя конлинейность определения от 0,9 до 10,0 г/л.

> XAPAKTEPNCTNKN HABOPA **AHAJINTNHECKNE**

2. Pactrophitens and trombine, 10,5 Mn - 2 dn.

Тромбин (пиофильно высущенный реагент, 500 ед. ИІН)

состав набора:

чентрации фибриногена, которую определяют по калибро-Clauss), Время свертывания при этом пропорционально конной плазмы избытком тромбина (модифицированный метод Заключается в определении времени свертывания цитрат-

Бдотэм пиµниqП

XAPAKTEPNCTNKA HAGOPA

исследуемой плазмы.

неских коагулометрах, без предварительного разведения содержания фибриногена в плазме крови на полуавтоматиначения преднаваторний ком начения подення на преднавания

HA3HAHEANE

(для полуавтоматических коагулометров) определения концентрации фибриногена **КИЦИХЧТЭНИ**

Фибриноген -X9TNTdRVM

АЕИГАНА ЭИНЭДЭВОЧП И

ченной более 2 ч назад, а также замороженной плазмы крови. имеющей сгустки, гемолиз, избыток цитрата натрия и полуже после центрифугирования. Не допускается анализ плазмы, после взятия крови, а отбор плазмы на исследование - сразу Центрифугирование должно проводиться непосредственно

яньводэгоом кинэдэводп од ткнедх эдл тромбоцитами плазму, которую переносят в другую пробирку,

1. Баркаган З.С., Момот А.П. Диагностика и контролителия руемая терапия нарушений гемостаза. - М.: "Ньюдиамед-40", 2008. - 292 с.

ANTEPATYPA

концентрации фибриногена в клинической практике. // Поги-клиника. Спецвыпуск «Лаборатория ЛПУ», 2012. / моч. – стр.

Золовкина А.Г., Момот А.П., Мамаев Н.Н. Определеней ПРОГОП

Чентрации фибриногена в клиницеской

макеры пределеней в клиницеской

макеры пределеней пределением пределением

ASY BY CO. BY 26

рэживать на срок до 30 суток при температуре (-16... -20 °C) +2...+8 °С. Раствор тромбина при необходимости можно замо-2-х недель при комнатной температуре и не более месяца при

закрытый пробкой раствор тромбина можно хранить до +2... +8 °С в течение всего срока годности набора (15 мес).

Хранение набора должно проводиться при температуре течение 30 сут.

Допускается транспортировка при температуре до +25 °С в 200 анализов при расходе раствора тромбина по 0,1 мл. ходе раствора тромбина по 0,2 мл на одно исследование, или Набор рассчитан на выполнение 100 анализов при рас-

RNHƏHƏMNY N RNHƏHAYX RNBORDY

.D.\I-91

л/л 0,4 од 0,2 то эноевпвид

в кэтидохьн йэдоил хіавододь у внэтониддиф кидьетнэднох

Clauss Habopom pearentos «Tex-Фибриноген-тест» (кат. Nº 094 или кат. Nº 324) или аналогичным с разведением фибриногена следует определить классическим методом или меньше (отсутствие регистрации сгустка), концентрацию 0,9-10,0 г/л. Если результаты определения близки к 0,9 г/л тэклабтооо кинэдэавба отональтинголод вэд внэтониддиф типа коагулометра, Диапазон определения концентрации

ляет 4-100 с, в зависимости от концентрации фибриногена и Время свертывания исследуемого образца плазмы состав-

4. HTEHNE PERYNDTATOB

фирриногена в исследуемом образде плазмы. вания, по калибровочной кривой определяют концентрацию 3.3. Используя результаты определения времени свёрты-

ямени свертывания,

тромбина, имеющего комнатную температуру и начать отсчет

3.2. В ту же кювету добавить 0,2 мл рабочего раствора мы и прогреть её в течение 1 мин при температуре +37 °С. Приготовление анализируемых образцов") исследуемой плаз-

3.1. В кювету коагулометра внести 0,1 мл (см. раздел

3. ПРОВЕДЕНИЕ АНАЛИЗА

ровочную кривую.

2.5. По полученным данным необходимо построить калиб-

wow-kann6paropom Nº Z, Nº 3, Nº 4 № Nº 5. -65. Аналогично определить время свертывания с гляз-

времени свертывания. тромбина, имеющего комнатную температуру и начать отсчет

2.3. В ту же кювету добавить 0,2 мл рабочего раствора 2.2. Инкубировать при температуре +37 °С в течение 1 мин.

.I'M eqoteq 2.1. В кювету коагулометра внести 0,1 мл плазмы-калиб-

V9 714; заказывается дополнительно).

калибраторов фибриногена «Фибриноген-калибратор» (кат. довния калибровочной кривой необходим набор

2. ПОСТРОЕНИЕ КАЛИБРОВОЧНОЙ КРИВОЙ

набору калибраторов концентрацией фибриногена. результате получают калибраторы с указанной в Ласпорте к температуре и слабом покачивании в течение 15 мин. В лированной воды и растворить содержимое при комнатной -питолни дополнительно) внести по 1,0 мл дистил-В каждый из пяти флаконов калибраторов фибриногена

1.2. Разведение калибратора фибриногена втором флаконе разводят по необходимости. 5 мин. В результате получают раствор тромбина. Тромбин во температуре (+18... +25 °С) и перемешивании в течение для тромбина и растворить содержимое при комнатной

в один флакон с тромбином внести 10,0 мл растворителя

т.т. Разведение тромбина т. ПОДГОТОВКА РЕАГЕНТОВ К РАБОТЕ