reagents.

Avoid assay steps long time interruptions, Assure same working conditions to all walk.

Calibrate the pipetite frequently to assure the cacuracy of samples/reagents depending. Always use different disposal pipetite tips for each specimen and reagents at so wold cross-condimitations. Never pipetite solutions by mouth. The use of automatic pipetites is recommended.

10. Assure that the incubation temperature is 37° inside the incubation.

11. When adding samples, avoid touching the well's bottom with the pipetite tip.

12. When reading the results with a plate reader, it is recommended to determine the obsorbance at 450nm or 450nm with reterence at 450nm or 450nm with reterence at 450nm or 450nm with reterence at 450nm.

13. All speciment from human origin should be considered as potentially intectious.

14. Materials from human origin may have been used in the kit. These materials have been tested with test kits with accepted performance and tourid negative for antibodies to kit Vs. HCV. IP and Hisk-Ag. However, there is no analytical method that can assure that infectious agents in the specimens or reagents are completely abstant. Therefore, hundle reagents and specimens with the strenne curition as if capable of transmitting infectious discoses. Sifet adherence to GIP Good subboratory Practice legulations can ensure the personal safety. Never earl, drink smoke, or apply commetts in the assay Jabanatory.

15. Bovine astima abuntin (15A), and telat cat sera (FCS) are derived from animals from BSE/TSE free-peographical areas.

1.6. The pipette lips, vials, strips and sample containers should be collected and autocloved for hour at 121°c or reacted with 10% soulum hypocholite for 30minutes to deconforminate before any further steps for disposal.

1.7. The Sito pouluin (2M H,SQC) | 1s a strong acid.

1.7. The Sito pouluin (2M H,SQC) | 1s a strong acid.

1.7. The sito pouluin (2M H,SQC) | 1s a strong acid.

1.8. The enzymatic activity of the HR*-conjugates might be affected from dust, reactive chemical, and be affected from dust, reactive chemical, and be offered from the saxy in the presence of such substances like soulum hypocholite, acids, alkalins etc., substances, like soulum hypocholite, processing the substances.

1.9. Macierials Safety Data Sheef (MSDS) available upon sequest.

1.9. Macierials Safety Data Sheef (MSDS) available upon sequest.

1.9. Macierials Safety Data Sheef (MSDS) available in the plate active resulting, can also be omitted.

2.0. If using fully automated micropiale processing system, during fucubation, do not cover the plates with the plate active resolution, and not cover the plates with the plate active resolution, and not cover the plates with the plate active resolution, and not cover the plates with the plate active resolution.

2.0. If using full set the transport of the enranders inside any set of the east semiples to reach room temperature (18-39°C) for at least 15-50minutes. Check the Wash buffer concentrate for the wash buffer and number of wells including only clean vessels to allule the buffer.

2.1. Sep 1 Numbering wells: Set the stifps needed in stripholicel and number of wells including

Fortress Diagnostics Limited, Unit 2C Antrim Technology Park, Antrin Tet: +44 (0) 2894 487676 | Fax: +44 (0) 2894 467676 | Fax: +44 (0) 2894 467676 |

three Negative controls (e.g.\$1, C1, D1), three Positive controls (one to HIV), and the Bonk (e.g. A1, neither stamples controls (one to HIV), and the Bonk (e.g. A1, neither stamples for controls (e.g. A1, neither stamples for the state of the state of

3. Interpretations of the results:

(S = the inclination at the inclin

e ifeader, do not subfract the Blank well OD from the print the print that analytical sensitivity of this kit for HIV p24 aniligen delection to about 5pg/ml.

1. Calculation of the Cu-off value; CD, a No. 4, 0,12

1. Calculation of the Cu-off value; CD, a No. 4, 0,12

1. Calculation of No.:

1. Calculation of Cu-off; (CD)=0.030 +0.12-0.150

2. Calcul

2. Quality control range:

1. Quality control range:

1. Vestified. It is recommended that each laboratory must establish appropriate quality control system with quality control market straight smaller to or identical with the patient control marketal smaller to or identical with the patient in the Do value of the Blank well. which controls only Chromogents and 50p solution, is less than 0.080 at 450 nm.

2. The OD value of the Positive control must be equal to greater than 0.800 at 450 nm or at 450 nm after blanking.

3. The OD value of the Negative control-must be less. finan 0.100 at 450/830nm or at 450nm after blanking.

The Carry cannol distinguish between positive antibody and positive p24 antigen results.

2. This is a qualifiative casary and the results cannot be use to partitive carry and the results cannot be use to measure onlibedies concentration.

3. This is a qualifiative casary and the results cannot be use to the measure onlibedies concentration of the Reagents.

1. Values of the Positive or Negative contact which are out of the indirected Coaldy contact large, see indirected possible selectation of the testing of the Company of the contact and the selectation of the testing and reagents, investigates must be reliefled. In case of contact enterous results disables must be reliefled to the testing and replace the reagents, investigates the testing and replace the reagents with their contact of the testing and replace the reagents with their contact of the testing and replace the reagents with their contact the testing and replace the reagents with their contact the testing and replace the reagents with their contact the testing and replace the reagents with their contact their contact the testing and replace the reagents with their contact the testing and replace the reagents with their contact the testing and reagent lideals.

1. The contact the testing and replace the reagents with their contact the contact the testing and reagent lideals.

2. The contact the testing and reagent lideals.

3. The contact the testing and reagent lideals.

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HIV (Ag/Ab) 4th ELISA | Revision No .10 APR/13 | Page 2 of 2



STORE AT 2-8°C 96 TESTS

BXE0792A

FOR IN- VITRO DIAGNOSTICS USE ONLY

Group HIV-1 Group M(A,B,C,D,E,F,G,H) (Ag/Ab) 4th Gen Ò Group N & HIV-2

Inhended Use:

Fortest till i an enzyme-linted immunosobant ausry (EUSA) for publishte determination of onligans or antibodies to Human immunosatiosinery Varu (HVI) fiyes a and or speech in human serion or planno. The method it also howen as 4* generation EUSA for HVV detection. The sit is handed for useening of blood dosions and as detection. The sit is handed for useening of blood dosions and as detection. The sit is handed for useening or blood dosions and as detection. The sit is handed for use relief to the designous of clinical conditions reliefed to hereign with HV-Landfor HV-2 e.g., the acquired immunodeficiency syndratine (JUSD) in professions.

The hundry immodeficiency visues type 1 and type 2 are the eliblogroun openiu of the couleted services type 1 and type 2 are the eliblogroun openiu of the couleted for protection of the coulet of th

important immunoseactive regions of the proteins and date enable the production of command Min-11M/2 causy, in the recombina or infiger could also be produced with considerably more purity on Inlage anxious, and filey can be bond to said-phase unifices when much light is cointid over protein ratios and concentration. The first lord second generations MIN-18 the west based on indirect BLSA method and could detect (6C antibodies only by enzymated anti-human (6) Ga mitbody.

The third generation EUS. Allifeed double onligen "standwisht method: spain with on ignat contact on salid plane polythream politis, but with onligent contact on salid plane polythream politis, but with onligent contact on salid plane polythream politis, but with onligent contact on called plane polythream politis, but with onligent contact on the previous delete all onligents and salid is globy. All plane polythream politics are supported by the processes the august a sensitivity compare to the previous peneration, and alliform the adeleted on light onligents in the control of yellowing the early stage of infection, much indeed in the peneration of peneration, and sensitive the second generation, and sensitive the second generation in the sensitive sensitive the second generation in the sensitive sensitive the sensitive sensitiv

Principes:) Aig/Ab EISA kill is a two-step incubation, "sandwich" his int (182) Aig/Ab EISA kill is a two-step incubation, "sandwich" his principal was presented and proposed with exceptional MV-1920 and some step proposed with exceptional MV-1920 and some step proposed with exceptional MV-1920 and some step proposed with exceptional mixture proposed and some step proposed and some step proposed and some step proposed and some step proposed proposed and some step proposed and set propos

Components: 96 Tests

IXIMI	Control-2'HIV 2)
1x1ml	Control-1(HIV 1) Antibody Positive
lxlml	Negative Control
per plate)	Microwell Plate 96
Volume	HIV 1+2 (Ag/Ab) 4 th Kit Contents;

읔		3 ests	50	\$ = 5	ich e	all of the h	<u> </u>	i ŧ	2 1 8
Package inserts	Plate Cover	Plastic Sealable Bag	Stop Solution	Chromogen Solution B	Chromogen Solution A	Stock Wash Buffer	Biotin- Conjugate Reagent	HRP – Conjugate Reagents	Antigen Positive Control
1 Сору	1 Sheets	1 Units	1x6ml	1x6ml (Ready to use and once open, stable tor one month at 2-8°C)	1x6ml (Ready to use and once open, stable for one month at 2-8°C)	1x50ml (Dilute 1 to 20 with distilled water before use. Once diluted, stable for two weeks at 2-8°C).	1x3.5ml	1x12ml	lxlml

Additional Materials And Instruments Required But

freshly disilled or deionized water.
Disposable gloves and limer.
Appropriate waste containers for potentially contaminated materials.

Osponición Vahaped frought.

Osponing system and/or picelle (single or mulichannel),

osponing system and/or picelle (single or mulichannel),

disposable picelle sin.

Assorbent listue or clean thorst.

Ory incubator or water both 375 5.0c.

Microthoker for distolving and mixing conjugate with

10. samples.

Microwell plate reader, single wavelength 450nm or dual wavelength 450nm and 630nm.

Microwell aspiration/wash system.

Specimen Collection, Temporarily president

1. Sample Collection, Temporarily president

1. Sample Collection the fine fresh seum or planne

1. Sample Collection the fine store, blood collected by

1. Sample Collection to be used to fish casay, blood collected by

1. Sample Collection the store of the collection of t

A good washing procedure is essential to obtain corect and precise analytical data.

It is therefore recommended to use a good quality ELISA microplate washer, maintained at the best level of washing performances, in general, no less than 5 automatic washing cycles of 350-400µ/well are sufficient to avoid false

the wells.

Precautions And Safety:

This kill is intended FOR IN VITRO USE ONLY TYDD

FOR PROFESSIONAL USE ONLY

The ELSA assay is a lime and temperature sensitive method. To avoid incorrect result, stircity follow the test procedure steps and do not modify them.

Do not exchange reagents from different lots, or us reagents from other commercially available kits. The components of the kit are precisely maticised as to achieve optimal performance during testing.
 Mote sure that all reagents are within the validity indicated on the kit box and are of the same lot. Never

the procedure steps, failure to do so, may cause in low sensitivity of the assoy.

5. Do not louch the bottom exterior of the wells; lingerprints or scratches may interfere with microwell

Never allow the microplate

To avoid cross-conforminations of the plate with rample or HRP-coplygates, after incubation do not also and the content of the wells but allow the plate washer to apprate it automatically. Anyway, we recommend calibrating the washing system on the kill itself in order to match the declared analytical performances. Assure that the micropiate washer fladid dispensing channels are not blocked or contemniated and sufficient to where of Wash buffer is dispensed each time into the content of the conten

in case of manual washing, we suggest to carry out 5 cycles, dispensing 350-40p,/l/well and aspirating the liquid for 5 times. It poor testuits (high background) are observed, increase the washing cycles or sociating time per well.

In any case, the liquid aspirated out the strips should be treated with a sodium hypochionite solution at a final concentration of 2.5% for 2.4 hours, before liquids are wasted in an appropriate was.

way,

The concentrated Washing solution should be diluted 1 to 20 before use. For one plate, mix 50ml of the concentrate with 50ml of water for a final volune of 100ml alluted Wash Buffer, It less than a whole plate is used, prepare the proportional volume of solution.

Storage and Stability.

The components of the kit will remain stable through the expitation and the indicated on the label and package when storage between 240°C, do not feeze. To assure maximum performance of this HV (Hz.) AQ&A ELIS, kit, during storage protect the reagents from contamination with microorganism or chemicals.

use reagents beyond the explry date stated on reagents labels or on the kil box.

3. CAUTION - CERTICAL STEP: Allow the reagents and samples to stabilize at room temperature(18-30a) before use. Shake reagent gently before, and return to 2-8°C immediately after use.

4. Use only sufficient volume of sample as indicated in the contractions of the contraction.

reading.

When reading the results, ensure that the p bottom is dry and there are no air-bubbles inside

ceed to t after the