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IMMUNO DIAGNOSTIC
PRODUCT CATALOGUE

HIV

Signal[®] HIV

Flow through Immuno-dot Test for Qualitative Detection of Antibodies to HIV 1+2 in Serum or Plasma

- Rapid visual two dots assay with inbuilt control dot
- Optimised mixture of recombinant antigens from the most conserved immunodominant region of both HIV-1 & HIV-2
- Detects all major subtypes of HIV-1 including Group M - subtypes A, B, C & Group O
- Unique cassette design with handle for maximum user safety and convenience along with self dropping bottles

HEPATITIS C

Signal[®] HCV Ver. 2.0

Flow through Immuno-dot Test for Qualitative Detection of Antibodies to HCV in Serum or Plasma

- Rapid visual two dots assay with inbuilt control dot
- Test comprising of mosaic recombinant antigen from the CORE, NS3, NS4 and NS5 genomic regions
- Unique cassette design with handle for maximum user safety and convenience along with self dropping bottles

HEPATITIS B

Crystal[®] HBsAg (Device / Dipstick)

Immuno-chromatographic Test for Qualitative Detection of Hepatitis B Surface Antigen (HBsAg) in Serum or Plasma

- Rapid, visual qualitative immunoassay with inbuilt control line
- Combination of highly specific monoclonal & polyclonal antibodies
- Detects all 4 subtypes and 11 serotypes of HBsAg (ad & ay) as well as all mutant strains
- Analytical sensitivity ≥ 0.5 PEU / mL

SYPHILIS

Crystal[®] -Tp⁺

Immuno-chromatographic Test for Qualitative Detection of Antibodies to *Treponema pallidum* in Serum or Plasma or Whole Blood

- Rapid, visual qualitative immunoassay with inbuilt control line
- Detects IgG, IgM and IgA antibodies specific to *T. pallidum*

RPR (Rapid Plasma Reagin)

Carbon Antigen based Flocculation Test for Detection of Syphilitic Reagin Antibodies in Serum or Plasma

- Stable, aqueous, ready to use reagent
- Inactivation of serum / plasma not required
- Rapid results within 8 minutes

BRUCELLSIS

STAINED BRUCELLA SUSPENSIONS

Agglutination Test used to Detect, Identify and Quantitate Specific Antibodies to Brucella in Serum

- Standardised and vitally stained smooth suspension of killed *Brucella abortus* and *Brucella melitensis*
- Suitable for slide as well as tube agglutination test



MALARIA

ParaHIT[®]

Rapid Visual Immunochromatographic Test for Qualitative Detection of Plasmodial Antigens in Whole Blood

Salient Features

- Rapid, visual qualitative immunoassay with in-built control line
- No sample predilution, simple test procedure
- Test Dipstick / Device stable upto 40 °C
- All the components & accessories required to perform the test are included in the kit
- High sensitivity and specificity

ParaHIT[®] *f* Ver. 1.0 (Device / Dipstick)

- An antigen detection assay that detects *P. falciparum* specific histidine rich protein II (PfHRP II)

ParaHIT[®] *fv* (Device / Dipstick)

- An antigen detection assay that detects *P. falciparum* specific histidine rich protein II (PfHRP II) and *P. vivax* specific Plasmodium Lactate Dehydrogenase (pLDH)

ParaHIT[®] *Total* Ver. 1.0 (Device / Dipstick)

- An antigen detection assay that detects *P. falciparum* specific histidine rich protein II (PfHRP II) & Pan malaria species (*P. falciparum*, *P. malaria*, *P. vivax*, *P. ovale*) specific aldolase

ParaHIT[®] *PanM* Ver. 1.0 (Device)

- An antigen detection assay that detects Pan malaria species (*P. falciparum*, *P. malaria*, *P. vivax*, *P. ovale*) specific aldolase and Plasmodium Lactate Dehydrogenase (pLDH)

PLAGUE

CRYSTAL Ypes[®]

Immunochromatographic Test for Qualitative Detection of *Yersinia pestis* Antigen

- Rapid, visual qualitative immunoassay with inbuilt control line
- Highly specific monoclonal antibodies to F1 antigen of *Y. pestis* enhances the sensitivity and specificity of the test
- Suitable to use with serum, plasma, bubo aspirates, sputum swab and sample suspended in Cary Blair medium

LEISHMANIASIS

Crystal[®] -KA

Immunochromatographic Test for Qualitative Detection of Anti-Leishmanial Antibodies in Kala-azar or Visceral Leishmaniasis in Serum or Plasma

- Rapid, visual qualitative immunoassay with inbuilt control line
- Test comprising of highly immunodominant recombinant capture antigen rKE16 isolated from *Leishmania donovani*
- Stable upto 30 °C
- All the components & accessories required to perform the test are included in the kit

FILARIASIS

Signal[®] -MF

Flow through Immuno-dot Test for Qualitative Detection of Antibodies to Microfilariae in Serum or Plasma

- Rapid, visual two dots assay with inbuilt control dot
- Highly immunogenic recombinant protein WbSXP - 1 used as a capture antigen
- Sample (Serum / plasma, fresh or frozen) collected any time during the day can be used
- Unique cassette design with handle for maximum user safety and convenience along with self dropping bottles



TUBERCULOSIS

TUBERCULIN PPD

For *in vivo* Detection of Sensitisation by *Mycobacterium tuberculosis*

- Diluted, ready to use Purified Protein Derivative solution for Mantoux test
- Highly purified material, calibrated against WHO approved standard preparation (RT 23) for better accuracy
- Available in 5 mL and 1 mL pack size
- Filled in amber coloured glass vials to prevent the loss of potency in regular usage and stabilized with Tween 80 to prevent absorption of tuberculin proteins to glass surface

FORTH COMING

Crystal[®] TB Confirm

Immunochromatographic Rapid Visual Test for Detection of growth of Tubercle bacilli in Culture

- Differential detection of *M. tuberculosis* complex (MTC) from Non-Tuberculous Mycobacteria (NTM)
- Detection is based on two separate targets MPT64 and MTCAg. Use of additional target - MTCAg, ensures detection of mutants not secreting MPT64 antigen

RHEUMATOLOGY

RA / CRP / ASO

Latex Agglutination Slide Test for Qualitative and Semi-Quantitative Detection of Rheumatoid Factor (RF) C-Reactive Protein (CRP) Anti Streptolysin-O (ASO)

- Rapid and simple test procedure
- Polystyrene latex particles of optimized size are used
- Serum dilution not required
- All the components & accessories required to perform test are included in the kit

ANTIBIOTIC DISC

CLAIRO[™] COMBI

Combination of Antibiotic Discs for Sensitivity Test

CLAIRO[™] MONO

Single Antibiotic Discs for Bacterial Sensitivity Test

TYPHOID

WIDAL ANTIGEN SET (Slide / Tube)

Stained Salmonella Antigens for Slide & Tube Tests

- Antigens are prepared from specially selected smooth, non-fimbriate strains
- Uncompromised sensitivity and accuracy with uniform clump formation
- Multiple pack sizes and long shelf life (18 months)
- Reagents are supplied in USP type 1 amber colored glass vial and offered in different combinations
 - 2 Antigens set - O & H
 - 4 Antigens set - O, H, AH & BH
 - 8 Antigens set - O, H, AH, AO, BO, BH, CO & CH
- Also available in Tube Test

CHOLERA

Crystal[®] Vc

Rapid Visual Immunochromatographic Test for Detection of *V. cholerae* in Stool

- Rapid, visual qualitative immunoassay with inbuilt control line
- Two separate bands for simultaneous & differential detection of *V. cholerae* O1 & O139 in a single test
- All the components & accessories required to perform test are included in the kit



BLOOD GROUPING & TYPING ANTISERA

SparzClone

Monoclonal Agglutinating Sera for the Determination of Human Blood groups (ABO)

- High avidity with clear cut visible agglutination
- High antibody titer
- No cross reactivity with acquired B antigen
- Free from anti-HIV-1/2 antibodies, anti-HCV antibodies and HBsAg
- Colour coded reagents for ease of identification and interpretation, conforming to International Standards
- AABB, FDA & NIBSC guideline, (UK) are followed for standardisation

SparzClone

Anti-A, Anti-B & Anti-AB (Monoclonal)

- Derived from *in vitro* murine hybridoma cell line grown in tissue culture
- Anti-A detects A₁, A₂, A₃, A₂B & A_x subtypes, Anti-B detects B, B₃ abd A₂B subtypes and Anti-AB detects A_x subtype
- Avidity of 2 - 4 seconds
- Anti-A (IgM) titer :- 1: ≥ 512
- Anti-B (IgM) titer :- 1: ≥ 512
- Anti-AB (IgM) titer :- 1: ≥ 512

SparzClone Anti-D (Rho) (Monoclonal)

- Produced by *in vitro* culture of a human lymphoblastoid cell line
- Avidity of 5-35 seconds
- High antibody titer

Anti-D Monoclonal (IgM)

- Detect D antigen on human red blood cells
- Ideal for routine blood grouping test procedure & screening of blood donors
- Anti-D (IgM) titer :- 1 : ≥ 512

Anti-D Monoclonal (IgG+IgM)

- Detect all subtypes including weak D (D^w) and partial D (D^p) antigens present on human red blood cells
- Anti-D (IgG+IgM) titer :- IgM - 1 : ≥ 256, IgG - 1 : ≥ 512

Anti-Human (Coomb's) Serum

Polyspecific Reagent for Direct & Indirect AHG (Coomb's) Test

- Blend of polyclonal anti-IgG & monoclonal anti-C3d
- Ready to use green colored reagent
- High titer of anti-IgG (1 : ≥ 256) and anti-C3d (1 : 8)
- 100 % specificity for subclass of IgG (IgG1, IgG2, IgG3 & IgG4) and complement component C3d
- Does not react with C4 fragment
- AABB & FDA guideline are followed for standardisation

Anti-A₁ Lectin

For detection of A₁ antigen (subgroup of A) on human red blood cells

- Purified extract of *Dolichos biflorus*
- Standardized to give agglutination only with subgroup A₁ and not with other subgroups of blood group A
- Avidity of 5-7 seconds
- High antibody titer (1 : ≥ 32)
- AABB & FDA guideline are followed for standardisation

AUXILLARY REAGENT

Bovine Albumin 22%

For Detection of incomplete antibody

- Used as a diluent for serological reaction
- Applications in Rh antibody titration & Cross-matching and cell typing
- High avidity of 4+ (++++)
- AABB & FDA guideline are followed for standardisation



CODE NO.	PRODUCT NAME	METHODOLOGY	PACK SIZE
HIV			
51FT100-10	Signal HIV	Flow Through	10 Tests
51FT100-50	Signal HIV	Flow Through	50 Tests
51FT100-60	Signal HIV	Flow Through	100 Tests
Hepatitis C			
53FT200-10	Signal HCV Ver. 2.0	Flow Through	10 Tests
53FT200-50	Signal HCV Ver. 2.0	Flow Through	50 Tests
Hepatitis B			
52IC101-50	Crystal HBsAg (Dipstick)	Lateral Flow	50 Tests
52IC102-25	Crystal HBsAg (Device)	Lateral Flow	25 Tests
52IC102-50	Crystal HBsAg (Device)	Lateral Flow	50 Tests
Syphilis			
54FL200-50	R.P.R. Antigen	Flocculation	50 Tests
54FL200-10	R.P.R. Antigen	Flocculation	10 mL
54FL200-60	R.P.R. Antigen	Flocculation	100 Tests
54IC111-20	Crystal Tp+ (Dipstick)	Lateral Flow	20 Tests
Malaria			
55IC103-10	Parahit-f Ver. 1.0 (Dipstick)	Lateral Flow	10 Tests
55IC104-10	Parahit-f Ver. 1.0 (Device)	Lateral Flow	10 Tests
55IC104-25	Parahit-f Ver. 1.0 (Device)	Lateral Flow	25 Tests
55IC104-50	Parahit-f Ver. 1.0 (Device)	Lateral Flow	50 Tests
55IC203-10	Parahit-Total Ver. 1.0 (Dipstick)	Lateral Flow	10 Tests
55IC203-25	Parahit-Total Ver. 1.0 (Dipstick)	Lateral Flow	25 Tests
55IC203-50	Parahit-Total Ver. 1.0 (Dipstick)	Lateral Flow	50 Tests
55IC204-10	Parahit-Total Ver. 1.0 (Device)	Lateral Flow	10 Tests
55IC204-25	Parahit-Total Ver. 1.0 (Device)	Lateral Flow	25 Tests
55IC204-50	Parahit-Total Ver. 1.0 (Device)	Lateral Flow	50 Tests
55IC304-10	Parahit-PanM Ver. 1.0 (Device)	Lateral Flow	10 Tests
55IC304-50	Parahit-PanM Ver. 1.0 (Device)	Lateral Flow	50 Tests
55IC401-10	Parahit-fv (Dipstick)	Lateral Flow	10 Tests
55IC401-25	Parahit-fv (Dipstick)	Lateral Flow	25 Tests
55IC401-50	Parahit-fv (Dipstick)	Lateral Flow	50 Tests
55IC402-10	Parahit-fv (Device)	Lateral Flow	10 Tests
55IC402-25	Parahit-fv (Device)	Lateral Flow	25 Tests
55IC402-50	Parahit-fv (Device)	Lateral Flow	50 Tests
Plague			
59IC101-10	Crystal Ypes	Lateral Flow	10 Tests
59IC101-50	Crystal Ypes	Lateral Flow	50 Tests
Tuberculosis			
18LM005-05	Tuberculin P.P.D.5 TU/0.1mL	Mantoux Test	5 mL
18LM010-05	Tuberculin P.P.D.10 TU/0.1mL	Mantoux Test	5 mL
18LM001-05	Tuberculin P.P.D.1 TU/0.1mL	Mantoux Test	5 mL
18LM002-05	Tuberculin P.P.D.2 TU/0.1mL	Mantoux Test	5 mL
18IC202-10	Crystal TB Confirm (Device)	Lateral Flow	10 Tests
18IC202-25	Crystal TB Confirm (Device)	Lateral Flow	50 Tests

CODE NO.	PRODUCT NAME	METHODOLOGY	PACK SIZE
Leishmaniasis			
56IC101-05	Crystal KA	Lateral Flow	5 Tests
Filariasis			
57FT100-05	Signal MF	Flow Through	5 Tests
Brucellosis			
155A402-05	Brucella abortus	Agglutination	5 mL
155A403-05	Brucella melitensis	Agglutination	5 mL
Cholera			
16IC101-10	Crystal VC (Dipstick)	Lateral Flow	10 Tests
Typhoid			
17TA417-50	Widal Antigen Set (Tube)	Agglutination	4x50 mL
17TA416-50	Widal 'H' & 'O' Antigen (Tube)	Agglutination	2x2x50 mL
17SA428-05	Widal Antigen Set (Slide)	Agglutination	4x5 mL
17SA427-05	Widal 'H' & 'O' Antigen (Slide)	Agglutination	2x2x5 mL
17SA429-05	Widal 'H' & 'O' Antigen (Slide)	Agglutination	2x5 mL
17SA435-05	Widal 8 Antigens Set (Slide)	Agglutination	8x5 mL
17SA436-05	Widal 8 Antigens Set With Positive & Negative Controls (Slide)	Agglutination	8x5 mL
Rheumatology			
41LA100-20	RA Test	Latex Agglutination	20 Tests
41LA200-20	CRP Test	Latex Agglutination	20 Tests
41LA300-20	ASO Test	Latex Agglutination	20 Tests
Blood Grouping & Typing Anti-sera			
11AS127-10	Spanclone Anti-A (Monoclonal)	Agglutination	10 mL
11AS128-10	Spanclone Anti-B (Monoclonal)	Agglutination	10 mL
11AS129-10	Spanclone Anti-D (Monoclonal IgM)	Agglutination	10 mL
11AS130-10	Spanclone Anti-D (Monoclonal IgG+IgM)	Agglutination	10 mL
11AS133-10	Spanclone Anti-A+B+D (Monoclonal)	Agglutination	3x10 mL
11AS134-10	Spanclone Anti-AB (Monoclonal)	Agglutination	10 mL
11AS111-05	Bovine Serum Albumin (22%)	Agglutination	5 mL
11AS117-05	Anti-Human Serum (Coomb's reagent) (with C3D)	Agglutination	5 mL
11AS117-10	Anti-Human Serum (Coomb's reagent) (with C3D)	Agglutination	10 mL
11AS109-05	Anti-A1 Lectin	Agglutination	5 mL
Antibiotic Disc			
	Clairo Mono	AST	50 Discs
	Clairo Combi	AST	20 Rings



arkray healthcare Pvt. Ltd.

(Comprises of former IVD business undertaking of Span Diagnostics Ltd.)

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Specifications may change without prior notice