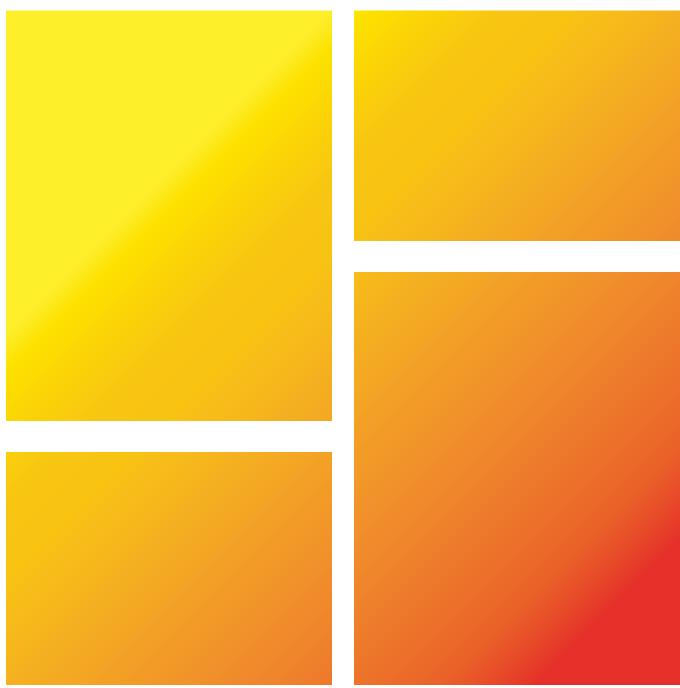


# Speciality **Kits**

Promoting better diagnostic tools



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#### address

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#### contact

- sales@immunoshop.com
- 9 306 306 306

## **ANA 17 -profile Immunoblot**

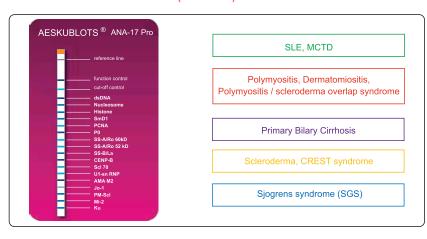
Line immunoassay/immunoblot kit for detection of antibodies against nuclear antigens in human serum

#### ANA Immunoblot with Myositis profile

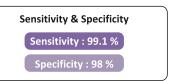
Immunoblot for the qualitative / semi-quantative detection of IgG antibodies against: dsDNA, nucleosomes, histones, SmD1, PCNA, PO, SS-A/Ro60kD, SS-A/Ro52kD, SS-B/La, CEN-B, ScI-70, U1 snRNP, AMA M2, Jo-1, Pm-ScI, Ku and Mi-2 in human serum or plasma.

- Myositis specific antigens Jo-1, Pm-Scl, U1-snRNP, Mi-2, Ku can be detected along with the other ANAs, which helps in myositis sample with ANA nega ve immunoflouroscence results.
- · Mi-2, Ku are very specific antigens for Myositis not provided by many other manufacturers in the market.
- 17 important ANA antigens suitable for multianalyte analysis and differential diagnosis of diseases
- Clear Bands without any unspecific background.
- Most pure dsDNA is coated on the strip as one of the antigen giving very specific results.

#### AESKUBLOTS ® ANA-17 Pro (REF 4001)







#### **User Friendly kits**

- Ready to use reagents
- Color coded strips for traceability
- Inbuilt procedural & cut -off control.
- · Kit provided with all required accessories along with reagents.
- Easy assay procedure

Myositis Specific Antibodies (MSA) & Myositis Associated Antibodies (MAA) are of fundamental importance in the diagnosis of Polymyositis (PM), Dematomyositis (DM), and inclusion body myositis. They are a tool for diagnosis and patient classification and provide an insight into the pathogenesis of these conditions

#### **ANTI-Mi2 ANTIBODY**

#### **Clinical Significance**

- Mi2 is one of the important protein in transcription regulation found in the nucleus.
- It is "Myositis-Specific Antibody" (MSA) (It is extremely rare to find these antibodies in patients without myositis, even if they have another muscle or autoimmune disease.)
- MSA are found almost exclusively in patients with DM/PM and associated overlap syndromes
- · Most Specific serological markers of Dermatomyositis (DM).

#### Occurrence

- 15-20 % Dermatomyositis with a high diagnostic specificity. 95 % of patients with Mi-2 antibodies suffer from dermatomyositis.
- Important for differential diagnosis as they rarely occur in polymyositis.

#### Anti-Ku Antibody:

#### **Clinical Significance**

- It is one of the Myositis Associated Antibodies (MAA) having fundamental role in DNA repair, V(D)J recombination, telomere protection.
- · Anti-Ku antibodies are reported in various connective tissue diseases and the Ku complex can be responsible for a very strong autoimmune answer in autoimmune disease.
- It is postulated that these antibodies could be found in 55% overlap polymyositis/systemic sclerosis patients.

#### **Occurrence**

- 5-25 % :- Polymyositis and scleroderma overlap-syndrome . 1-7 % :- Myositis .
- 20 % :- Primary Sjögren's syndrome

- 20 % :- Primary pulmonary hypertension
- 5-10 % :- SLE .

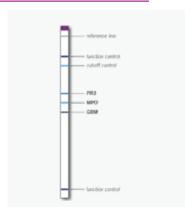


### Vasculitis Profile Immunoblot

Line immunoassay/immunoblot kit for detection of antibodies against vasculitis in human serum

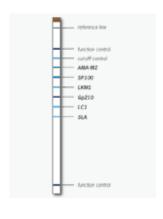
AESKUBLOTS Vasculitis Pro is a membrane based enzyme immunoassay for qualitative detection of IgG antibodies against PR3, MPO und GBM in human serum. The assay is a tool in differential diagnosis of autoimmune vasculitis.

- Parallel detection of autoantibodies against 3 important autoimmune vasculitis antigens
- Results within 120 minutes
- Pack size of 24 tests per package



### **Liver Profile Immunoblot**

Line immunoassay/immunoblot kit for detection of antibodies against liver in human serum



AESKUBLOTS Liver Pro is used as an aid in the diagnosis of autoimmune liver diseases. The most important autoimmune liver diseases are autoimmune hepatitis (AIH) types 1-3, primary biliary cirrhosis (PBC) and a combination of both diseases (immunocholangiopathy).

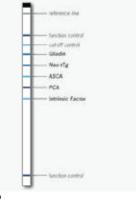
- Parallel detection of autoantibodies against AMA-M2, Sp100, LKM1, gp210, LC1 and SLA
- Results within 120 minutes
- Pack size of 24 tests per package

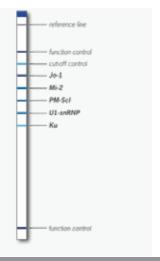
### **Gastro Profile Immunoblot**

Line immunoassay/immunoblot kit for detection of antibodies against gastro in human serum

AESKUBLOTS Gastro Pro is designed to assist in the diagnosis of celiac disease, pernicious anemia and Crohn's Disease

- Parallel detection of autoantibodies against Gliadin, Neo-tTg, Mannan (ASCA), Parietal Cells and Intrinsic Factor-Antigen
- Results within 120 minutes
- Pack size of 24 tests per package





### **Myositis Profile Immunoblot**

Line immunoassay/immunoblot kit for detection of antibodies against myositis in human serum

AESKUBLOTS Myositis Pro is designed to help in the diagnosis of poly- and dermatomyositis, as well as myositisassociated autoimmune diseases.

- Parallel detection of autoantibodies against Jo-1, Mi-2, Pm-Scl, U1-snRNP and Ku
- Results within 120 minutes
- Pack size of 24 tests per package

### **ANA HEp-2 ELISA**

Elisa kit for qualitative detection of IgG antibodies against Nuclear antigens in human serum

- As far as ANA screening is concerned, IFA is considered as gold standard since HEp-2 cells are coated in slides. In Aeskulisa ANA HEp-2 ELISA, the microtitre wells are coated with lysed HEp-2 cells along with other necessary recombinant nuclear antigens like SS-A, SS-B, U1 snRNP, Scl-70, Centromere-B, Sm, dsDNA enabling complete detection.
- Thus the results are considered to be at par with ANA HEp-2 IFA results which is considered to be gold standard.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable.
- FDA cleared & CE -marked product.
- Calibrated according to CDC reference sera, Atlanta.
- Traceability certificate available for NABL accreditation.

### **CCP ELISA**

Immucheck CCP ELISA kit is for quantitative detection of anti CCP antibodies in human serum/plasma

- The microwells are coated with true CCP antigens specific for Rheumatoid arthiritis diagnosis and therapy monitoring.
- Quantitative determination.
- Standard range is 0-1600 AU/ml.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Economically priced.
- 2 level controlls provided

#### **RF – AGM ELISA**

Rf-AGM ELISA offers the separate quantitative and qualitative detection of IgG, IgM and IgA rheumatoid factors (RF) in human serum.

- Microwells coated with Fc fragments of immunoglobulins (IgG)
- 96 breakaway microwells
- Ready to use color coded reagents
- CE marked kit

### dsDNA ELISA

ELISA kits of the quantitative or semi quantitative detection of antibodies against dsDNA in human serum



- The microwells in Aesku dsDNA ELISA kits are coated with neutral blunt ended human dsDNA from SLE specific patient that contains particular sequence motifs. Thus making the tests highly specific without any false positive and accurate results.
- We also provide dsDNA screening kit viz, dsDNA Check. It has mixed conjugate thus able to detect all the antibody isotypes ie. IgA, IgG and IgM. The results with dsDNA Check ELISA kit are at par with FARR assay, considered to be gold standard for dsDNA testing. The kit can be useful as prognostic marker for SLE patients with lupus nephritis.
- Separate tests are available for IgG, IgA and IgM detection. All the ELISA kits offer the flexibility to perform quantitative as well as qualitative analysis.
- Wide standard range between 0-300 U/ml.
- dsDNA lgG ELISA kit is FDA cleared.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable.

#### Also available ELISAs for:

- ANA 8S
- SS-A-60
- **ANA 8 Profile**
- SS-A-52
- dsDNA IgA

dsDNA check

SnRNP-C

- SS-B
- dsDNA IgG
- Sm SS-A

- **ENA 6S ENA 6 Pro**
- CenP-B

dsDNA IgM

**UI-70** 

Jo-1

# Cardiolipin IgG/IgM ELISA

ELISA kits for separate quantitative and qualitative detection of IgG and IgM antibodies against Cardiolipin in human serum

- The microwells in Aesku ACL IgG/IgM are coated with human native β2 glycoprotein I (GPI) + cardiolipin (Other companies provide bovine β2 glycoprotein I that too in diluents format). There is only 65-70 % homology between human β2 glycoprotein I & bovine β2 glycoprotein I. Thus Using human β2 glycoprotein I, maximizes the specificity of kit.
- This is a combi kit wherein two conjugates separately for IgG & IgM are provided in the same kit and the volumes for both the conjugates are sufficient to run even 96 tests.
- Cardiolipin against IgA, IgG & IgM are calibrated against HARRIS sera & while cardiolipin GM & β2 glycoprotein I GM are standardized against using Sapporo standard.
- FDA cleared & CE –marked product.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable

### **Cardiolipin Check ELISA**

Cardiolipin-Check ELISA offers the combined quantitative and qualitative detection of IgA, IgG and IgM antibodies against cardiolipin in human serum.

- Microwells coated with Cardiolipin + Native human beta-2 glycoprotein 1 for higher specificity
- Single conjugate for detection of all the antibody isotypes
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Broad linearity of 0-300 U/ml
- Ready to use color coded reagents
- US FDA approved and CE marked kit

# Cardiolipin IgA ELISA

Cardiolipin-A ELISA offers the quantitative and qualitative detection of IgA antibodies against cardiolipin in human serum.

- Microwells coated with Cardiolipin + Native human beta-2 glycoprotein 1 for higher specificity
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Broad linearity of 0-300 U/ml
- Ready to use color coded reagents
- US FDA approved and CE marked kit

## Beta-2 Glycoprotein 1 IgG/IgM ELISA

ELISA kits for separate quantitative and qualitative detection of IgG and IgM antibodies against Beta-2 glycoprotein-1 in human serum

- Aesku beta-2 glycoprotein-1 lgG/lgM have Microwells coated with native human beta-2 glycoprotein-1 for maximum specificity.
- This is a combi kit wherein two conjugates separately for IgG and IgM are provided in the same kit and the volumes for both the conjugates are sufficient to run even 96 tests.
- FDA cleared & CE- marked product.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable

# Phospholipid Screen IgG/IgM ELISA

ELISA kits for separate quantitative and qualitative detection of IgG and IgM antibodies against phospholipid antigens in human serum

- Aesku is the only company in the world which offers microwells coated with eight phospholipid antigens for APS screening as per the non crieteria. The antigens offered are cardiolipin, cardiolipin/ β2 glycoprotein I, β2 glycoprotein I, phosphatidyl choline, ethanolamine, -inositol, -serine & sphingomyelin.
- CE –marked product.
- Breakable microwells & ready to use reagents.
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable

### **Phospholipid 8-Profile ELISA**

ELISA kit for the separate qualitative detection of IgG and /or IgM antibodies against phospholipid in human serum

- Separate detection of eight phospholipid antigens for APS screening as per the non crieteria. The antigens offered are cardiolipin, cardiolipin/ 2 glycoprotein I, 2 glycoprotein I, phosphatidyl choline, ethanolamine, -inositol, -serine & sphingomyelin on single well.
- Quantitative as well as semiquantitative interpretation.
- CE –marked product.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable.

#### **AESKULISA® Phospholipid - 8 Profile**

A β<sub>2</sub>-GPI

B Cardiolipin /  $\beta_2$ -GPI

C Cardiolipin

D Phosphatidyl-Choline

E Phosphatidyl-Ethanolamine

F Phosphatidyl-Inositol

G Phosphatidyl-Serine

Sphingomyelin

Also available Phospholipid 8 profile IgA ELISA

### **Protein C**

- Highly accurate and reliable determination of protein C levels in human plasma
- Controls for Protein C deficient plasma and normal plasma are provided in the kit.
- Standardised against the second International Standard (02/342)
- Perfectly complements the AESKULISA® Thrombosis/ Thrombophilia panel
- 'ONE' concept: one workflow for all ideal for the automation
- Two in 'ONE': Run AESKULISA® autoimmunity and haemostasis kits in parallel

### **Protein S**

- Reliable determination of total and free protein S levels in human plasma
- Free protein S can be determined after PEG precipitation
- Controls for Protein S deficient plasma and normal plasma are provided in the kit
- Standardised against the second International Standard (02/342)
- Perfectly complements the AESKULISA® Thrombosis/ Thrombophilia panel
- 'ONE' concept: one workflow for all ideal for the automation
- Two in 'ONE': Run AESKULISA® autoimmunity and haemostasis kits in parallel

### **Annexin V ELISA**

Annexin V-GM ELISA offers separate qualitative and quantitative detection of IgG and/or IgM antibodies against annexin V in human serum. The assay is a tool in the diagnosis of the antiphospholipid syndrome syndrome.

- Microwells coated with native human Annexn V antigens
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Broad linearity of 0-300 U/ml
- Ready to use color coded reagents
- CE marked kit

## **PR3 Sensitive ELISA**

ELISA kits for detection of antibodies against PR3 in human serum

- Because of the small size of the PR3 molecules (16 kDa), Aesku offers the PR3 ELISA kits wherein the microwells are coated using a spacer arm molecule ensuring best accessibility of all the relevant epitopes. This helps to increase the sensitivity of the kit.
- 6 point calibration for quantitative analysis and therapy monitoring.
- FDA approved and CE –marked product.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable.

The AESKULISA PR3 Sensitive test has been further improved by employing modified spacer molecules resulting in higher sensitivities without loosing specificity



**Direct PR3 ELISA** 



AESKULISA PR3 Sensitive Capture pr3 ELISA using small spacer molecuels Sensitivity inactive WG

Sensitivity 80%

60%

active WG

Specificity 100%



Capture PR3 ELISA using antibodies

### **MPO ELISA**

Aesku MPO (myeloperoxidase) ELISA offers the quantitative and qualitative detection of antibodies against MPO in human serum.

- Microwells coated with native human myeloperoxidase purified from human granulocytes for higher specificity
- Quantitative analysis with 6 point calibration for therapy monitoring
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Broad linearity of 0-300 U/ml
- Ready to use color coded reagents
- US FDA approved and CE marked kit

### **GBM ELISA**

GBM (Glomerular Basement Membrane) ELISA offers the quantitative and qualitative detection of IgG antibodies against GBM in human serum

- Microwells coated with native human glomerular basement membrane antigens for higher specificity
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Broad linearity of 0-300 U/ml
- Ready to use color coded reagents
- CE marked kit



### Vasculitis Screen ELISA

Vasculitis-Screen ELISA offers the combined quantitative and qualitative detection of IgG antibodies against PR3 and MPO in human serum.

- Microwells coated with native human MPO and PR3 antigens for higher specificity and sensitivity
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Broad linearity of 0-300 U/ml
- Ready to use color coded reagents
- CE marked kit

# **Tissue transglutaminase (TTG)** IgA Neoepitopes ELISA:

ELISA kit for quantitative or qualitative detection of IgA antibodies against Neoepitopes in human serum

Different epitopes used in Celiac disease Diagnostics:



The invivo studies have shown that the epitopes formed after crosslinking of TTG and deamidated Gliadin peptides are the major targets for the autoantibodies in patients suffering from Celiac Disease thus causing inflammation and other clinical manifestations. Thus Aesku offers TTG ELISA kits wherein microwells are coated with neo-epitopes which are formed after crosslinking of human recombinant tissue transglutaminase with deamidated gliadin peptides.

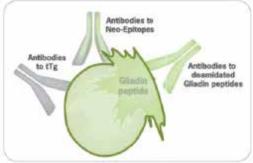
This coating increases the sensitivity of the kit by enabling to detect antibodies against TTG, DGP and the epitope formed by the crosslinking of the two molecules. This helps to screen the Celiac patients which might go unscreened.

- Can be used for pediatric patients.
- The test can help to evade the invasive biopsy screening.
- Standard range is 0-300 U/ml.
- FDA cleared & CE –marked product.
- Breakable microwells & ready to use reagents.
- Colour coded reagents
- Based on One Aesku Concept ie. Uniform incubation time (30 mins+30 mins +30 mins) and common reagents like wash buffer, sample buffer, stop solution and substrate are interchangeable.

## TTG IgG ELISA

Aesku TTG IgG ELISA kit offers qualitative and quantitative detection of IgG autoantibodies against Neoepitopes ie. Tissue transglutaminase enzyme crosslinked with deaminated gliadin peptides.

- Highly sensitive and specific ELISA kit with combined screening of TTG and DGP in single microwell
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Quantitative detection with 6 calibrators in linearity of 0-300 U/ml
- Ready to use color coded reagents
- US FDA approved and CE marked kit



### Celicheck New Generation (G+A) ELISA

Celicheck New Generation ELISA kit detects combined IgG and IgA autoantibodies against neoepitopes ie. Tissue transglutaminase enzyme crosslinked with Deaminated Gliadin Peptide ( DGP) as aid in Celiac Disease diagnosis.

- High sensitivity as detects both the autoantibodies IgG and IgA thus not missing on patients with no IgA antibody development
- Highly sensitive and specific ELISA kit with combined screening of TTG and DGP in single microwell
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Quantitative detection with 6 calibrators in linearity of 0-300 U/ml
- Ready to use color coded reagents
- CE marked kit

### **SLA (Soluble Liver Antigen) ELISA**

SLA/LP ELISA kits offers quantitative and qualitative detection of IgG antibodies against soluble liver antigen (SLA) in human serum. The assay is a tool for the diagnosis of autoimmune hepatitis (AIH).

- Microwells coated with recombinant Soluble liver antigen / liver pancreas antigen (SLA/LP)
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Quantitative detection with 6 calibrators in linearity of 0-300 U/ml
- Ready to use color coded reagents
- CE marked kit

#### aTPO ELISA

a-TPO ELISA offers the quantitative and qualitative detection of IgG antibodies against TPO in human serum.

- Microwells coated with native human Thyroid peroxidase antigens for higher specificity and sensitivity
- 96 breakaway microwells
- Quantitative as well qualitative detection format
- Broad linearity of 0-3000 U/ml
- Ready to use color coded reagents
- CE marked kit

#### Also available ELISAs for:

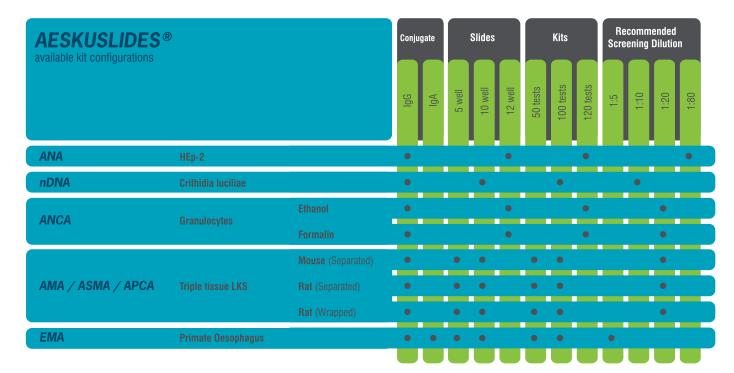
- a-Tg
- ANA 8 S
- ANA 8 Profile
- ENA 6 S
- AMA-M2
- Free Protein S
- LKM-1
- Gliadin IgA
- Gliadin IgG
- ASCA IgA
- ASCA IgG
- Anti Insulin antibody
- Tg
- Parietal cell
- Intrinsic factor

# **ANA Hep-2 IFA**



Indirect immunoflorescence (IFA) for detection of IgG antibodies against nuclear antigens in human serum

- Aesku ANA Hep-2 IFA is USFDA approved
- Hep-2 cells coated on the wells is without the alcohol to improve sensitivity and it is with controlled dividing cell.
- Pack size of 120 tests (12 wells x 10 slides)
- Teflon coated slides to avoid carryover
- Bar coded slides for automation friendliness
- Grey mask on the slides for better focusing by minimizing reflections

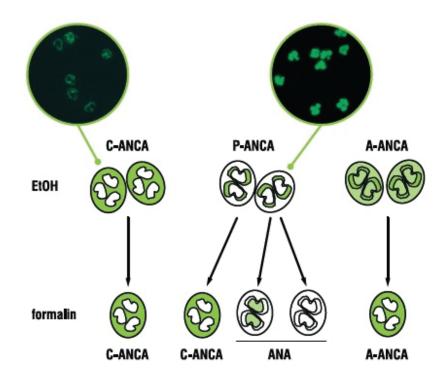


### **ANCA Ethanol IFA**

AESKUSLIDES ANCA is an indirect immunofluorescence assay to detect anti neutrophil cytoplasmic autoantibodies (ANCA) in human serum giving pANCA (perinuclear ANCA and cANCA (cytoplasmic ANCA).

- The assay is a tool for the differential diagnosis of ANCA associated vasculitides (AA V) such as granulomatosis with polyangiitis, microscopic polyangiitis and Churg Strauss syndrome.
- Coated with Granulocytes
- Both ANCA Ethanol and formalin fixed are available

#### Available in pack of 60 and 120 tests



### **ANCA Formalin IFA**

AESKUSLIDES ANCA is an indirect immunofluorescence assay to detect anti neutrophil cytoplasmic autoantibodies (ANCA) in human serum giving pANCA (perinuclear ANCA) and cANCA (cytoplasmic ANCA).

- Some ANCAs give rise to an atypical fluorescence patter (the A-ANCA) which can be technically difficult to differentiate from a pattern generated by anti-nuclear antibodies (ANA) on ethanol fixed neutrophils. In order to help differentiating these, neutrophils which were fixed with formalin are employed. ANCAs which give rise to a P-ANCA/A-ANCA staining in ethanol fixed neutrophils will show a cytoplasmic pattern when formalin fixed neutrophils are used as a substrate.
- The glass slides are coated with Granulocytes for maximum specificity.
- Available in pack size of 120 tests (12 wells x 10 slides)

## rLKS- rat, Wrapped IFA

- Aesku rLKS wrapped IFA unique offers the triple tissue coating of rat liver, kidney and stomach tissues in single well for the detection of multiple autoantibodies for parallel detection of multiple autoimmune disorders.
- An indirect immunofluorescence assay to detect autoantibodies against for example mitochondrial (AMA), smooth muscle (ASMA), liver kidney microsomal (LKM) or circulating parietal cells (APCA) in human serum.
- Available pack sizes 50 and 100 tests



Wrapped- where the liver and the kidney are wrapped with stomach

### **nDNA IFA**

- AESKUSLIDES nDNA (Crithidia luciliae) is an indirect immunofluorescence assay to detect IgG antibodies to native double helix DNA in human serum to detect dsDNA Autoantibodies
- Wells coated with Crithidia luciliae- Flagellat (Protozoa) contains a giant mitochondrium called Kinetoplast (power plant of the cell) with free circulating DNA
- Pack size- 100 tests (10 slides of 10 wells)
- USFDA approved

# Immucheck TB Platinum (IGRA)

IGRA tests are an in vitro diagnostic aid for detection of Mycobacterium tuberculosis infection and is intended for use in conjuction with risk assessment, radiography & other medical and diagnostic evaluations. IGRA results alone can not distinguish active TB disease from latent infection. IGRA shall not be used as stand alone test for diagnosis of active TB disease.

The test stems from the principle that when the whole blood of a TB infected person is stimulated with proprietary TB specific antigens, a Cell Mediated Immune Response(CML), lymophocytes release a cytokine protein, Interferron-Gamma(IFN- $\gamma$ ). The released IFN- $\gamma$  then quantified. These proprietary TB specific antigens are absent from all BCG strains and from most non-tuberculosis mycobacteria. These TB specific antigens stimulate gamma-IFN responses in T-cells from TB-infected individuals but not from uninfected or BCG vaccinated people. Due to the absence of the TB-specific Antigens from all strains of BCG vaccines, results with this test are unaffected by BCG vaccination.

- The Immucheck TB Platinum(IGRA) IFN-γ quantifying ELISA plate has breakable microwells.
- The kit comes in pack size of 96 tests thus helping the testing centers with low sample volume.
- Conjugate is in liquid form and ready to use.
- The stimulating antigens are in liquid form thus allows mixing and incubation effectively.
- Economically priced.
- Blood collection endotoxin free vacutainer tubes are provided with the kit.
- The test is more specific and sensitive. It is unaffected by previous BCG vaccination and most other environmental mycobacteria since the blood is stimulated against Mycobacterium tuberculosis specific proprietary antigens. Thus avoids false positive results caused by TST test.
- The test does not depend on the bacterial load, done in whole blood to quantify Interferon gamma which is released after stimulation by Mycobacterium tuberculosis specific proprietary antigens.
- The LTBI is detected more effectively which can be missed by serological tests.
- The TB Plantinum kit comes with a free software provision for result calculation. The user has to only enter his CD values in the software while all results calculation will be done by the software. then the user can compare the obtained results with the provided reference values and interpret the results as positive, negative or indeterminate.

# Immucheck TB Platinum (IGRA)

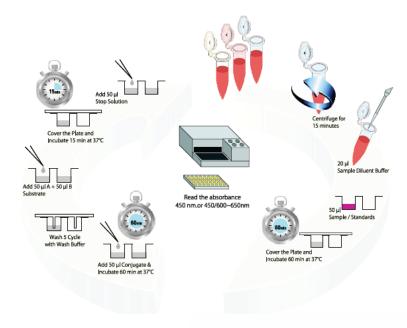
# Advantages

#### Immucheck TB Platinum- Innovation in sample transportation:

We provide collection tubes which can be used for transportation too. These tubes without antigen while antigen tubes are to be used once the sample reaches the labs. This has major benefits over present competitor.

- It reduces the need of distributing very costly collection tubes at collections centers and patient sites, this brings better cost and inventory management of lab materials in sample collection and transportation.
- It helps in quality results as incubation starts after sample reaches the lab and not from the time of collection as seen in the case of collection in antigen vials. Sample collection in antigen tubes in case to competitor leads to wide fluctuations in incubation and antigen reaction leading to more errors in quality. This is avoided by our innovation in sample collection mechanism.
- at room temperature while with other assays in the market have coated antigen for blood collection. Thus these need controlled storage temperatures at collection centers. Also these have likely chances of deterioration of antigen. We avoid this storage issue of collection tubes by providing separate pyrogen free tubes for sample collection and antigen tubes for sample processing which are to be used once the sample has reached to the processing center.

#### ImmuCheck TB Platinum Easy, accurate, reproducible





# **HEV IgM ELISA**

ELISA kit for qualitative detection of IgM against HEV Virus in human serum/plasma



- · Ready to use reagents.
- 96 breakaway microwells
- CE marked ELISA kit

- Wantai HEV ELISA kits use patented recombinant HEV antigen from the structural area (ORF2) of native HEV thus avoiding any crossreaction with other viral spp.
- Wantai HEV IgM ELISA is based on Mu-capture ELISA offering higher specificity
- Shorter incubation time (30 +30 +15 minutes).
- 2 level controls provided for semiquantitative interpretation.
  - Excellent Performance
  - Specificity- >99%
  - Sensitivity- 100%

# **HEV IgG ELISA**

ELISA kit of qualitative detection of IgG antibodies against HEV Virus in Human serum/plasma

- Wantai HEV ELISA kits use patented recombinant HEV antigen from the structural area (ORF2) of native HEV thus avoiding any crossreaction with other viral spp.
- Shorter incubation time (30 +30 +15 minutes).
- 2 level controls provided for semiquantitative interpretation
- · Ready to use reagents.
- 96 breakaway microwells
- CE marked ELISA kit
- Excellent Performance
   Specificity- >99%, Sensitivity- 100%

### **HEV Ag ELISA**

HEV Ag ELISA kit offers detection of qualitative detection of Hepatitis E viral antigen (HEV Ag) in human serum, plasma or stool samples

- Microwells coated with antibodies to detect the structural proteins ORF-2 of the native virus
- Results in 120 minutes
- Sample volume of 100 μl
- Positive and negative controls provided with kit
- 96 breakaway wells
- · Ready to use reagents

# **HAV IgM ELISA**

ELISA kit for qualitative detection of IgM against HAV Virus in human serum/plasma



- · Wantai HAV IgM kit is based on Mu capture offering higher specificity
- Shorter incubation time (20 +40 +15 minutes).
- 2 level controls provided for semiquantitative interpretation
- · Ready to use reagents.
- 96 breakaway microwells
- CE marked ELISA kit
- Excellent Performance

Specificity->99%

Sensitivity- 100%

# **ToRCH ELISA**IgG/IgM/Avidity

#### Most reliable assays to screen, diagnose and monitor ToRCH infections

#### ToRCH IgM assays based on Mu capture technology for higher specificity

- i) No competition or interference by IgG antibodies
- ii) No RF factors interference

#### Confirm ToRCH infections with IgG avidity kits

The ToRCH IgG kits offer flexibility to run IgG avidity on the same IgG ELISA kit for ToRCH confirmation Flexible HSV kit configuration

Separate as well as combined kit for HSV Type 1 and Type 2 as per your lab need

#### Easily automatable to any automated processor

Same incubation time and common reagents like sample buffer, wash buffer, substrate and stop solution offer flexibility to automate the kits on any ELISA processor available in market

#### **Quantitative IgG Assays**

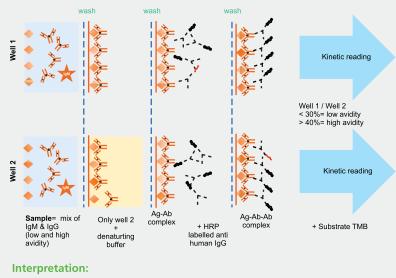
Better therapy monitoring with IgG quantitative assays

#### Easy processing

96 breakaway well format for easy processing

# Immunoshop offers ToRCH IgG ELISA kits with flexibility to run avidity test on the same IgG kit thus no need to purchase separate avidity test kit ToRCH IgG Avidity principle

We offer avidity buffer along with the ToRCH IgG ELISA kit. Thus any sample coming positive for IgG and IgM is run in parallel in two wells. The wells are treated respective with wash buffer and avidity buffer. The avidity buffer acts as denaturing buffer and breaks the weak bonds to give exact avidity strength measure. The avidity index is found out by taking ratio of the wash buffer treated well and avidity buffer treated well.



Avidity index > 40% Avidity high

Previous exposure (more than 12 Weeks) or Reinfection

Avidity index 30-40% Avidity borderline

No information about time of infection

Avidity index < 30% Avidity low

Recent infection (less than 12 Weeks)

### **INFECTIOUS ELISA**

## ToRCH IgM

Infectious Parameter	Assay Principle	Assay Time	Performance Characteristics
Toxoplasma IgM	Mu Capture ( Semiquantitative)	45+ 45+15	Sensitivity- 98.4% Specificity- 98.9%
Rubella IgM	Mu Capture ( Semiquantitative)	45+ 45+15	Sensitivity- 97.3% Specificity- 99.6%
CMV IgM	Mu Capture ( Semiquantitative)	45+ 45+15	Sensitivity- 98.4% Specificity- 97.8%
HSV 1+2 IgM	Mu Capture ( Semiquantitative)	45+ 45+15	Sensitivity- 95.6% Specificity- 97.8%
HSV 1 lgM	Mu Capture ( Semiquantitative)	45+ 45+15	Sensitivity- 100% Specificity- 98.6%
HSV 2 IgM	Mu Capture ( Semiquantitative)	45+ 45+15	Sensitivity-100% Specificity-99.6%

## ToRCH IgG

Infectious	Assay	Assay	Performance
Parameter	Principle	Time	Characteristics
Toxoplasma IgG	Indirect	45+ 45+15	Sensitivity- 100%
with Avidity	( Quantitative)		Specificity- 100%
Rubella IgG	Indirect	45+ 45+15	Sensitivity- 100%
with Avidity	( Quantitative)		Specificity- 97.0%
CMV IgG	Indirect	45+ 45+15	Sensitivity- 100%
with Avidity	( Quantitative)		Specificity- 100%
HSV 1+2 IgG	Indirect ( Semiquantitative)	45+ 45+15	Sensitivity- 100% Specificity- 100%
HSV 1 lgG	Indirect (Semiquantitative)	45+ 45+15	Sensitivity- 99.4% Specificity- 86.7%
HSV 2 IgG	Indirect ( Semiquantitative)	45+ 45+15	Sensitivity-81.8% Specificity-90.1%

## Mumps IgG ELISA

ELISA kit for the qualitative determination of IgG-class antibodies to mumps virus in human serum, as an aid in the diagnosis of mumps virus infection.

- Excellent sensitivity of 99,1%, and a specificity of 94,0%.
- Assay time of 45-45-15 mins
- Convenient packaging of 48 tests/pack
- Ready to use reagents with breakable microwells. Interchangeable reagents between lots like Substrate, Stop solution, Sample dilution buffer, Wash buffer.

### **Mumps IgM ELISA**

ELISA kit for the qualitative determination of IgM-class antibodies to mumps virus in human serum, as an aid in the diagnosis of mumps virus infection.

- Based on Mu capture ELISA principle
- Excellent sensitivity of 97.3% and a specificity of 96.6%.
- Assay time of 45-45-15 mins
- Convenient packaging of 48 tests/pack
- Ready to use reagents with breakable microwells. Interchangeable reagents between lots like Substrate, Stop solution, Sample dilution buffer, Wash buffer.

## Measles IgG ELISA

ELISA kit for the qualitative determination of IgG-class antibodies to measles virus in human serum, as an aid in the diagnosis of measles virus infection

- Excellent sensitivity of 96.6%, while the specificity is 100%.
- Assay time of 45-45-15 mins
- Convenient packaging of 48 tests/pack
- Ready to use reagents with breakable microwells. Interchangeable reagents between lots like Substrate, Stop solution, Sample dilution buffer, Wash buffer.



# Measles IgM ELISA

ELISA kit for the qualitative determination of IgM-class antibodies to measles virus in human serum, as an aid in the diagnosis of measles virus infection .

- Based on Mu capture ELISA principle
- Excellent sensitivity and specificity of 95% and 100% respectively.
- Assay time of 45-45-15 mins
- Convenient packaging of 48 tests/pack
- Ready to use reagents with breakable microwells. Interchangeable reagents between lots like Substrate, Stop solution, Sample dilution buffer, Wash buffer.

# Varicella IgG ELISA

ELISA kit for the qualitative determination of IgG-class antibodies to varicella virus in human serum, as an aid in the diagnosis of varicella virus infection.

- Excellent sensitivity of 90.63%, and the specificity is 100%.
- Assay time of 45-45-15 mins
- Convenient packaging of 48 tests/pack
- Ready to use reagents with breakable microwells. Interchangeable reagents between lots like Substrate, Stop solution, Sample dilution buffer, Wash buffer.

# Varicella IgM ELISA

ELISA kit for the qualitative determination of IgM-class antibodies to varicella virus in human serum, as an aid in the diagnosis of varicella virus infection.

- Based on Mu capture ELISA principle
- Excellent sensitivity of 100% and a specificity of 98.8%.
- Assay time of 45-45-15 mins
- Convenient packaging of 48 tests/pack
- Ready to use reagents with breakable microwells. Interchangeable reagents between lots like Substrate, Stop solution, Sample dilution buffer, Wash buffer.

#### **ELISAs also available for:**

EBV VCA IgM

EBV EBNA IgG

• EBV VCA IgG

H pylori IgG

• EBV EA IgG

H pylori IgA

• EBV EA IgM

CMV Screen

# Fungal (1-3) β-D-Glucan (BG) (Chromogenic method)

(1-3)-β-D-Glucan (BG) is a major cell wall component of most pathogenic fungal species. BG is released from the cell wall when the fungus is invading blood or deep tissue . Thus BG is used as a biomarker for screening and diagnosis of invasive fungal infections. Goldstream Fungus (1-3)-β-D-Glucan Test (GCT-110T) is a sensitive and rapid assay for the detection of (1-3)-β-D-Glucan in serum samples to aid in early diagnosis of invasive fungal infections. The test is capable of providing test results within 40 minutes.



#### **Features**

- Fungal Screening tool- Great tool for screening of invasive fungal infections like Black fungus, White fungus, Yellow fungus
- Quantitative analysis- Quantified results for help in therapy monitoring too
- Accurate- High negative predictive value of 97.73%
- Predictive marker- 5-8 days prior to clinical symptoms and imaging
- Quality Certified- CE marked
- Fast results- 40 minutes assay time
- Convenient package- Pack size of 110 tests/kit
- Broad Linearity- Offers linearity of 31.25-500 pg/ml
- Small Sample Volume- Works with easily available and small sample volume of 5µl of serum samples
- Convenient sampling- Works with human serum as well as bronchoalveolar (BAL) fluid

## Goldstream Bacterial Endotoxin (Chromogenic method)

An endotoxin is a lipopolysaccharide (LPS) found in the outer cell membrane of gram-negative bacteria. It is considered as one of the most potent toxins and a strong pyrogen (fever- causing substances), which induces various biological reactions when even a small amount of pg (10-12 g) or ng (10-9 g) enters the bloodstream. A large enough dose of endotoxin can lead to lung and kidney failure, intravascular coagulation, and a systemic inflammatory response that can lead to septic shock and death.

#### **Features**

- Screening and diagnosis tool- Quantitative analysis in pharmaceutical and biological end products.
- High sensitivity- Low detection of limit 0.001EU/ml
- Principle Works on chromogenic method
- Sample type- Dialysate/Dialysis water
- Fast analysis- detection time of 40 minutes only
- Quality results- Inter assay variation of only <10%</li>
- Highly Specific- the kit has a specific shielding effect on fungus (1-3)-β-D-glucan
- Easy result interpretation- The concentration of bacterial endotoxin in dialysis water should be less than 0.25EU/ml, and the concentration of bacterial endotoxin in dialysate should not more than 0.5EU/ml;



# **AMH (Anti Mullerian Hormone) ELISA**



### **ELISA kit for quantitative determination of Anti Mullerian**

#### Hormone in human serum

- Short procedure time with results within 80 minutes
- Easy to perform with no need of microplate plate shaking
- Quantitative determination with broad linearity of 0-25 ng/ml
- 6 point calibration and ready to use
- 2 level controls provided
- \_ Sample size of 50 μl.
- Functional sensitivity of 0.02 ng/ml
- Compatible with most automated ELISA platforms including ELISA reader and washer
- Individual breakable wells
- CE marked and IVD approved

# Interleukin 6 (IL-6) ELISA



#### ELISA kit for determination of IL-6 (Interleukin-6) in human serum

- High sensitivity with Sandwich Enzyme Amplified Sensitivity Immunoassay.
- 6 calibrators for quantitative result analysis
- Quantitative results with a linearity of 2- 2560 pg/ml
- 2 level controls provided with the kit thus need not to be purchased at extra cost.
- CE and IVD approved kit
- Manufactured in Europe
- Assay time 2.25 hours at room temperature with thanking (700 + 100rpm)
- Time tested IL-6 ELISA kit
- Analytical sensitivity of 2 pg/ml

# TNF-alpha ELISA

#### ELISA kit for quantitative measurement of human Tumor Necrosis Factor $\alpha$ (TNF- $\alpha$ ) in serum.

- Sample volume of 200 μL
- Broad linearity range of 7-518 pg/mL
- Excellent performance with analytical sensitivity of 0.7 pg/mL
- 2 Level controls provided
- Incubation time of 4.5 hours at RT with shaking 700 rpm
- CE marked
- IVD approved

# 25 (OH) vitamin D Total Fast ELISA

ELISA kit for quantitative detection of 25(OH) Vitamin D in human serum/plasma



The DIAsource 25-Hydroxyvitamin D Total ELISA is powered by patented and unique DIAsource monoclonal antibodies that express 100 % reactivity against 25 OH Vitamin D3 and 83% reactivity against 25OH Vitamin D2. They make the assay unique in the market and will guarantee the highest lot-to-lot reliability and consistency.

- Detecting both D2 and D3 forms of Vitamin D.
- All In One technology- No extraction step, displacement solution directly into the well
- Results in 90 minutes
- Calibrated against ID-LC/MS-MS (reference method)
- Also available the regular Vitamin D ELISA which gives results in less than 4 hours. The same is FDA approved and DEQAS certified.

# 1,25 (OH)<sub>2</sub> Vitamin D ELISA

ELISA kit for quantitative detection of 1,25(OH), Vitamin D in human serum.

- Uses organic solvent extraction method which is considered to be Gold Standard ensuring no interference.
- Limited number of incubation steps
- No Nitrogen gas required thus making the protocol very user freindly
- Breakable wells format
- 100% specificity for 1,25(OH)<sub>2</sub>VitaminD
- Most sensitive kit with very low Limit of Detection (1.7 pg/mL)
- Good correlation with LC-MS/MS (R= 0.92)
- DEQAS samples accurately measured (R= 0.86 /0.88)



# **Calprotectin ELISA**

ELISA kit for quantitative detection of calprotectin in human stool samples

- Easy and reliable differentiation between IBD and IBS
- Proven marker for IBD screening, diagnosis and therapy management
- The assay utilizes the two-site "sandwich" technique with two selected antibodies that bind to different epitopes of human calprotectin for maximum sensitivity.
- Uses specific Monoclonal antibodies to ensure that only Calprotectin is detected
- Easy and user friendly procedure
- No need to weigh stool for sampling- Stool collection kit is available for easy sampling in just 3 simple steps.
- Calibrators and controls (3 levels) provided with the kit.
- Short incubation of ~ 2 hours
- Sensitivity 2.5 ng/ml
- Broad assay range: 69.5-892 ng/mL

# 17 OH progesterone ELISA

ELISA kit for quantitative detection of 17 OH progesterone in human serum/plasma.

- 96 breakaway microwells format
- Low sample volume of 25 microl
- 6 calibrators for quantitative analysis
- 2 level controls provided for assay validation
- Linearity range of 0.15-20 ng/ml
- Offers neonatal reference range for neonatal testing
- Lower analytical sensitivity of 0.05 ng/ml
- Less incubation of 1.5 hours at RT

### **Free Testosterone**

ELISA kit for quantitative detection of free testosterone in human serum.

- 96 breakaway microwells format
- Low sample volume of 25 microlitres
- 6 calibrators for quantitative analysis
- Control provided for assay validation
- Linearity range of 0.25-125 pg/ml
- Lower analytical sensitivity of 0.17 pg/ml
- Less incubation of 75 minutes

### **DHEA ELISA**

ELISA kit for the direct quantitative determination of Dehydroepiandrosterone (DHEA) in human serum

- Small sample volume of 25 μL
- Broad linearity range of 0.2-40 ng/mL
- Excellent performance with analytical sensitivity of 0,15 ng/mL
- 2 Level controls provided
- Short incubation time of 60 min./15 min. RT
- CE marked

#### Also available DHEA-S ELISA

### **DHT ELISA**

ELISA kit for the direct quantitative determination of Dihydrotestosterone (DHT) in human serum

- Small sample volume of 50 µL
- Broad linearity range of 25-2500 pg/mL
- Excellent performance with analytical sensitivity of 6 pg/mL
- Flexibility to perform in serum or plasma
- 1 Level control provided
- Short incubation time of 60 min./15 min. RT
- CE marked

### **Cortisol ELISA**

For the direct quantitative determination of Cortisol by enzyme immunoassay in human serum.

- Small sample volume of 20 μL
- Broad linearity range of 0.5-60 µg/dL
- Excellent performance with analytical sensitivity of 0,4 μg/dL
- 1 Level control provided
- Short incubation time of 45/15min.at RT
- CE marked

# **Metanephrine Urine ELISA**

Enzyme Immunoassay for the quantitative determination of Metanephrine in urine

- Small sample volume of 25 µL
- Broad linearity range of 10.5-2000 ng/mL
- Excellent performance with analytical sensitivity of 8,6 ng/mL
- 2 Level controls provided
- Short incubation time of 1h at RT with shaking 600 rpm
- CE marked



### **CHECK OUT OUR OTHER PRODUCTS**



- **3 PART FULLY AUTOMATED HEMATOLOGY ANALYSER**
- HPLC BASED FULLY AUTOMATIC HbA1c ANALYSER
- RAPID CARD TESTS
- **ELISA PLATE READER AND WASHER**
- MOTIC IFA MICROSCOPE
- SINGLE PLATE SHAKER
- **MICROCENTRIFUGE**
- POCT AUTOMATED NEPHELOMETRIC PROTEIN ANALYSER
- POCT CARD TEST WITH READER



### **CHECK OUT OUR OTHER PRODUCTS**



- MAGLUMI CLIA ANALYSER
- CHORUS IMMUNOASSAY ANALYSER
- FULLY AUTOMATED PROTEIN ANALYSER
- Hba1c WITH VARIANT & β THALASSEMIA MODE
- 2 PLATE AND 4 PLATE ELISA PROCESSORS
- IFA+ BLOT PROCESSOR
- FULLY AUTOMATED IMMUNOBLOT PROCESSOR AND ANALYSER
- 5 PART FULLY AUTOMATED HEMATOLOGY ANALYSER







Promoting better diagnostic tools

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