

Our Services

We are committed to providing our customers with innovative diagnostic solutions, supplying products that are reliable, simple to use at affordable prices. Our ambition is to grow through continued product development, innovation and expansion of our global presence.

Our Customer Services team is available to assist you with orders, pricing requests and sales enquiries.

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PLASMATEC
Product Catalogue

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Blood Grouping Antisera



Plasmatec murine monoclonal ABO and Anti D reagents are manufactured to the highest standards from selected supernatants of specific antibody secreting cell lines. They are avid and potent preparations suitable for slide, tube, microplate and automated methods.

The Monoclonal Anti A and Anti A, B are particularly suitable for the detection of Ax subtype, using an appropriate technique. These reagents have the advantage that, unlike polyclonal antisera, they do not possess anti T and anti Tk activity and therefore may be used reliably to group red blood cells where these antigens have been exposed. Similarly neither the anti-A or anti-A, B reagents will react with the acquired B phenotype.

Anti A and anti B are colour coded to international convention, they contain 0.1% sodium azide as a preservative and are stable for two years from the date of manufacture.

Plasmatec anti-D IgM monoclonal reagent is an avid and potent preparation derived from "in-vitro" culture supernatants of antibody producing cell lines. The preparation is optimised for use in slide, tube, and microplate methods, and is designed to detect a high proportion of weak D (Du) antigens and the majority of D variants with the exclusion of Dvi.

Plasmatec anti-human globulin is prepared by the immunisation of rabbits with purified human IgG. Non-specific activity in the rabbit serum is removed by absorption, the anti-C3d component is an IgM monoclonal antibody prepared from culture supernatants.

Blood Grouping Antisera

Cat. No.	Product	Pack Size
ABO/010R	Anti-A Monoclonal	10x10ml
ABO/020R	Anti-B Monoclonal	10x10ml
ABO/030R	Anti-AB Monoclonal	10x10ml
RH/010R	Anti-D Monoclonal	10x10ml
AHG/010R	Anti-Human Globulin Polyspecific	10x10ml
BA/020R	Bovine Albumin 22%	10x10ml
BA/030R	Bovine Albumin 30%	10x10ml
RH/020R	Anti-D (IgG/IgM) Monoclonal	10x10ml

Blood Grouping Antisera

Rare Blood Grouping Antisera, Enzymes and Potentiators



Mouse Monoclonal Igm Reagents

Cat. No.	Product	Pack Size
RSE/05	Anti-E	5ml
RSe/05	Anti-e	5ml
RSC/05	Anti-C	5ml
RSc/05	Anti-c	5ml
RSCDE/10	Anti-CDE	10ml

Monoclonal Grouping Reagents

Cat. No.	Product	Pack Size
RSK/10	Anti-Kell	10ml
RSLea/02	Anti-Lea	2ml
RSLeb/02	Anti-Leb	2ml
RSP1/02	Anti-P1	2ml

ABO System – Lectin Reagents

Cat. No.	Product	Pack Size
RSA1/05	Anti-A1 (Dolichos Biflorus)	5ml
RSH/02	Anti-H (Ulex europaeus)	2ml

Control Reagents

Cat. No.	Product	Pack Size
RSh/10R	Rh Control Serum	10ml
AHG/010C	Anti-IgG AHG (Clear)	10ml
RSC3d/02	Anti-HumanC3d Monoclonal	2ml

Human Grouping Serum

Cat. No.	Product	Pack Size
RSs/02	Anti-s	2ml
RSS/02	Anti-S	2ml
RSFya/02	Anti-Fya	2ml
RSFyb/02	Anti-Fyb	2ml
RSk/02	Anti-k	2ml
RSKpa/02	Anti-Kpa	2ml
RSKpb/02	Anti-Kpb	2ml
RSJka/02	Anti-Jka	2ml
RSJkb/02	Anti-Jkb	2ml
RSLua/02	Anti-Lua	2ml
RSLub/02	Anti-Lub	2ml

Miscellaneous Enzymes and Potentiators

Cat. No.	Product	Pack Size
PAP/010	Papain	10ml
LISS/010	Low Ionic Strength Saline Working Solution	10ml

Febrile Antigen Tests



Plasmatec Stained Bacterial Antigen suspensions are standardized, smooth suspensions of killed bacteria used to identify and quantitate antibodies in human sera following infection with certain Salmonellae, Rickettsiae, and Brucella pathogens.

Serological tests are based on the principle that antibodies in serum, produced in response to exposure by bacterial antigens, will agglutinate bacterial suspensions which carry homologous antigens. The rapid slide test is recommended as a screening procedure to establish the presence or absence of the homologous antibody in the patient's serum, whilst the tube test establishes antibody titre and verifies positive results found using the slide method.

The Salmonella antigens are stained to give clear readability without affecting sensitivity or antigenicity, the O (somatic) antigens are stained blue whilst the H (flagellar) antigens are stained red. The salmonella suspensions, used to investigate enteric infections and pyrexia, are suitable for rapid slide and standard Widal tests.

Proteus, OX2, OX19 and OXK stained suspensions are used in the detection of Rickettsial antibodies as these species appear to share a polysaccharide with certain Rickettsia species and therefore produce agglutinins identical to them.

Febrile Antigen Tests		
Cat. No.	Product	Pack Size
FA/002	Salmonella typhi H antigen	5ml
FA/004	Salmonella H paratyphi A antigen	5ml
FA/006	Salmonella H paratyphi B antigen	5ml
FA/008	Salmonella H paratyphi C antigen	5ml
FA/010	Salmonella typhi O antigen	5ml
FA/012	Salmonella O paratyphi A antigen	5ml
FA/014	Salmonella O paratyphi B antigen	5ml
FA/016	Salmonella O paratyphi C antigen	5ml
FA/018	Brucella Abortus antigen	5ml
FA/020	Brucella melitensis antigen	5ml
FA/022	Proteus OX2 antigen	5ml
FA/024	Proteus OX19 antigen	5ml
FA/026	Proteus OXK antigen	5ml
FA/030	Positive polyvalent febrile control	1ml
FA/032	Negative febrile control	1ml
FA/040	Febrile antigen test kit containing 8x5ml antigens	8x5ml
FA/042	Febrile antigen test kit containing 8x5ml antigens	8x5ml +controls

Latex Microbiology Tests



A comprehensive range of rapid latex agglutination tests for applications in clinical microbiology.

Streptococcal Latex Test

The majority of species of Streptococci possess group specific antigens which are generally carbohydrate structural components of the cell wall. Lancefield demonstrated that these antigens can be extracted in a soluble form and further identified by precipitation reactions with the homologous antisera. Group specific Streptococcal antigens are extracted from the streptococci using a simple and rapid incubation procedure. Latex particles, coated with group specific antibodies, are then used to identify these antigens.

The Plasmatec Streptococcal test kit is a rapid latex system for the accurate determination of the six clinically significant groups of hemolytic Streptococci. Latex reagents are provided for the Lancefield Groups A, B, C, D, F and G. The kit also includes two bottles of freeze dried extraction enzyme, a positive control and disposable reaction cards sufficient for 300 tests.

Staphylococcal Latex Test

The Plasmatec Staphylococcal latex test exploits the ability of *S.aureus* to produce coagulase and/or protein A. The mode of operation of the test is twofold. Firstly the coagulase will interact with fibrinogen coated onto the surface of the latex particles forming clots and resulting in the visible agglutination of the latex. Secondly, the protein A moieties of the microbial cell walls will bind to IgG coated onto latex particles resulting in a cross linked complex and again, visible latex agglutination. In the absence of either coagulase or protein A the latex remains in smooth suspension. The Staphylococcal latex test kit is provided complete with latex test reagent, latex control reagent and disposable reaction cards.

Streptococcal Latex Test		
Cat. No.	Product	Pack Size
STE/010	Streptococcal latex test kit	50 test
STE/010Bi	Streptococcal latex Group B	50 test
STE/010Di	Streptococcal latex Group D	50 test
STE/100EEi	Extraction enzyme	10ml

Staphylococcal Latex Test		
Cat. No.	Product	Pack Size
STA/010	Staphylococcal latex test kit	50 test
STA/012	Staphylococcal latex test kit	100 test

Latex Serology Tests



A comprehensive range of qualitative and semi-quantitative latex agglutination tests.

ASO Latex Test (Non Sample Dilution)

Actively growing strains of Group A hemolytic streptococci, together with most strains of Groups C and G, produce Streptolysin-O, an antigenic toxin. Patients with these streptococcal infections form specific antibodies, detection of which aids the diagnosis of recent infection. Together with serological tests, the Plasmatec ASO Latex provides a complete test profile and aids current and prompt diagnosis.

The ASO Latex test works by agglutination of latex particles coated with purified Streptolysin-O by ASO. The test is standardized against the World Health Organisation International Standard to have a sensitivity of 200 IU/ml and produces a result in just 2 minutes. This type of test can also be the only way of diagnosing the sequelae of streptococcal infections such as rheumatic or scarlet fever and glomerulonephritis. The ASO latex test kit is provided with ASO test latex, positive and negative controls, pipette stirrers and an agglutination slide.

CRP Latex Test (Non Sample Dilution)

C-Reactive Protein (CRP) levels have been shown to be consistently elevated in a wide variety of infections, inflammatory conditions and other disease states where there is tissue destruction. CRP is also an early indicator of inflammation, with serum levels rising before specific antibody titres or erythrocyte sedimentation rate (ESR) and subsiding faster than does the ESR.

The Plasmatec CRP Latex Test is a rapid latex slide test for the detection of CRP in human serum. The latex reagent will agglutinate in the presence of clinically significant levels of CRP in the serum sample, whilst with

ASO Latex Test (Non Sample Dilution)

Cat. No.	Product	Pack Size
ASO/005	ASO latex test kit	25 tests
ASO/010	ASO latex test kit	50 tests
ASO/012	ASO latex test kit	100 tests

CRP Latex Test (Non Sample Dilution)

Cat. No.	Product	Pack Size
CRP/005	CRP latex test kit	25 tests
CRP/010	CRP latex test kit	50 tests
CRP/012	CRP latex test kit	100 tests

normal levels, the latex remains in smooth suspension. The test has been formulated to minimize the possibility of misleading results from “prozone” effects and to virtually eliminate cross reactivity with Rheumatoid Factor. CRP Latex is positive with levels of CRP between 6 and 1000mg/l. The CRP latex test kit is provided with CRP test latex, positive and negative controls, pipette stirrers and an agglutination slide.

Latex Serology Tests *continued*



RA Latex Test (Non Sample Dilution)

The majority of patients with rheumatoid arthritis have an abnormal protein called Rheumatoid Factor (RF) in their serum. RF is a heterogenous group of IgM molecules directed against the patient's own immunoglobulins. The Plasmatec RA Latex Test has been developed as a rapid qualitative and semi-quantitative test for the presumptive diagnosis of rheumatoid arthritis. Latex particles, coated with human gamma globulins, agglutinate in the presence of Rheumatoid Factor in serum. Excellent sensitivity (a detection limit of 8 IU/ml) is coupled to the rapid nature of the latex test, with results in just 2 minutes. The RA latex test kit is provided with RA test latex, positive and negative controls, pipette stirrers and an agglutination slide.

RA Latex Test (Non Sample Dilution)

Cat. No.	Product	Pack Size
RA/005	RA latex test kit	25 tests
RA/010	RA latex test kit	50 tests
RA/012	RA latex test kit	100 tests

Infectious Mononucleosis Latex Test

Cat. No.	Product	Pack Size
IM/012	Infectious Mononucleosis latex test kit	100 tests

Infectious Mononucleosis Latex Test

Infectious mononucleosis (IM) is an acute infectious disease believed to be caused by the Epstein Barr virus. The infection presents with symptoms of fever, sore throat, malaise, headache and myalgis, generally affecting children and young adults. A diagnosis based on clinical history and symptoms can be difficult therefore a serological test can be very helpful.

Patients with IM have detectable levels of unique heterophile antibodies. The Plasmatec IM latex kit provides a suspension of coated latex particles which will agglutinate in the presence of these antibodies giving a visible reaction. The IM latex test kit is provided with IM test latex, positive and negative controls, pipette stirrers and an agglutination slide.

Latex Serology Tests *continued*



Toxoplasmosis Latex Test

Toxoplasmosis Latex Test

Toxoplasmosis is an infectious disease affecting both animals and humans, which is caused by the protozoan parasite *Toxoplasma gondii*. Acquired toxoplasmosis is usually asymptomatic and not diagnosed. In pregnant women however, the parasite may cross the placenta to the foetal circulation causing congenital toxoplasmosis. Disease manifestations depend on the stage of foetal development, but can range from spontaneous abortion and prematurity to generalised and neurological symptoms. Toxoplasmosis can also be serious in immunocompromised patients e.g. with HIV, post-organ transplant.

The Plasmatec Toxoplasmosis latex kit is for the detection of antibodies to *Toxoplasma gondii* in serum or plasma by slide agglutination. The Toxoplasmosis latex test kit is provided with Toxoplasmosis test latex, positive and negative controls, pipette stirrers and an agglutination slide.

s-LE Latex Test

Systemic Lupus Erythematosus (sLE) is defined as a prototypic autoimmune disease. The antibodies associated with sLE are those directed against deoxyribonucleoprotein (DNP). These antibodies are believed to cause the formation of the LE cell, occurring in 60-80% of patients diagnosed as having sLE. The Plasmatec SLE Latex kit is a rapid latex agglutination test for the detection of Systemic Lupus Erythematosus (sLE) in human serum by the quantitation of antibodies to Deoxyribonucleoprotein (DNP). The SLE latex test kit is provided with SLE test latex, positive and negative controls, pipette stirrers and an agglutination slide.

Toxoplasmosis Latex Test

Cat. No.	Product	Pack Size
TOX/012	Toxoplasmosis latex test kit	100 test

s-LE Latex Test

Cat. No.	Product	Pack Size
SLE/010	s-LE latex test kit	50 test
SLE/012	s-LE latex test kit	100 test

Syphilis Serology Tests



RPR (Rapid Plasma Reagin) Tests

Syphilis is a venereal disease caused by the spirochaete microorganism *Treponema pallidum*.

As the organism cannot be cultured on artificial media the diagnosis of syphilis depends on the correlation of clinical data with the detection of the specific antibody by serological tests. Plasmatec produce a range of nontreponemal and haemagglutination syphilis assays.

VDRL Carbon Antigen

VDRL Carbon particle Antigen is a modified form of VDRL antigen containing microparticulate carbon. It is designed for use in flocculation tests for the serodiagnosis of syphilis. The carbon particles aid the macroscopic reading of the results. Weak reactive results can be easily and clearly distinguished from non-reactive patterns which display a macroscopically smooth and even appearance.

RPR (Rapid Plasma Reagin) Tests

The Plasmatec RPR test is a complete test system for the detection of syphilis which utilises plasma, unheated or heated serum. The test antigen is a modified form of VDRL antigen containing microparticulate carbon. A reactive result is indicated by agglutination which is readily visible without the aid of a microscope. The kit is provided complete with positive and negative controls, sample droppers/stirrers, disposable agglutination slides and a convenient RPR antigen dispenser.

TPHA (Treponema Pallidum Haemagglutination Assay)

The Plasmatec TPHA test kit has been shown to be a convenient and specific test for the diagnosis of syphilis requiring a minimum of laboratory equipment, test results are obtained in 45-60 minutes. The Plasmatec TPHA reagents are used to detect human serum antibodies to *T. pallidum* by means of an indirect haemagglutination (IHA) method. Preserved avian erythrocytes are coated with antigenic components of pathogenic *T. pallidum* (Nichol's strain).

VDRL Carbon Antigen

Cat. No.	Product	Pack Size
CA/010	VDRL Carbon Antigen	1x5ml
CA/012	VDRL Carbon Antigen	1x10ml
CA/015	VDRL Carbon Antigen	1 liter

RPR (Rapid Plasma Reagin) Tests

Cat. No.	Product	Pack Size
RPR/010	Rapid Plasma Reagin (RPR) test kit	100 test
RPR/012	Rapid Plasma Reagin (RPR) test kit	500 test

TPHA (Treponema Pallidum Haemagglutination Assay)

Cat. No.	Product	Pack Size
TPHA/010	TPHA test kit	100 tests
TPHA/020	TPHA test kit	200 tests
TPHA/100	TPHA test kit	1000 tests

These test cells agglutinate in the presence of specific antibodies to *T. Pallidum* and show characteristic patterns in microtitration plates. Any non-specific reactions occurring are detected using the control cells which are avian erythrocytes not coated with *T. Pallidum* antigens. Non-Specific reactions may also be absorbed out using these control cells.

Pregnancy Tests



Human chorionic gonadotropin (HCG) is a glycoprotein hormone secreted by the developing placenta beginning shortly after fertilization.

At the time of the first missed menstrual period, HCG concentrations in serum and urine are about 100mIU/ml and double in concentration every 1.2 to 2 days. Peak levels of over 100,000 mIU/ml HCG are seen late in the first trimester of pregnancy. The early appearance of HCG in urine following conception has been made the marker of choice in the early detection of pregnancy.

Direct Pregnancy Latex Test

The Plasmatec direct pregnancy assay is based upon the latex agglutination reaction between latex particles coated with anti-HCG antibodies and HCG present in the test specimen. The presence of HCG in a urine specimen results in the formation of an agglutination matrix which is visually differentiated from the non-agglutinating negative control. The direct pregnancy latex test is calibrated to detect HCG levels at or greater than 200mIU/ml. The Plasmatec Pregnancy latex test kit comprises; latex test reagent, positive/negative controls, pipette-stirrers and an agglutination slide.

One Step Pregnancy Assay

The lateral flow, one step pregnancy test is a chromatographic immunosay (CIA) for the rapid qualitative determination of HCG in urine. Based on the test's high sensitivity, pregnancy can be determined as early as the first day of the missed menstrual period. The immunological specificity of the test virtually eliminates cross reactivity and interference of structurally related glycoproteins such as hFSH, hLH, and hTSH.

Direct Pregnancy Latex Test

Cat. No.	Product	Pack Size
DPT/010	Direct Monoclonal Pregnancy latex. Sensitivity 200 iu/l HCG	50 tests
DPT/012	Direct Monoclonal Pregnancy latex. Sensitivity 200 iu/l HCG	100 tests

One Step Pregnancy Assay

Cat. No.	Product	Pack Size
60182	hCG pregnancy rapid test strip (urine) 25 mIU/ml sensitivity	50 test kit
60186	hCG pregnancy rapid test cassette (urine/serum/plasma) 10 mIU/ml sensitivity	40 test kit

Infectious Disease Rapid and Urinalysis Tests



Infectious Disease Rapid Tests

Rapid immuno-chromatographic assays for the qualitative detection of antibodies in serum, plasma or whole blood, available in both cassette and strip format.

Key Features

- Easy to perform tests ideal for use in point of care situations
- Accurate results available in 15 minutes
- High sensitivity and specificity
- Antigen detection allows identification of current infections and confirms eradication after treatment
- Flexible storage at 2-30°C

Infectious Disease Rapid Tests

Cat. No.	Product	Pack Size
8/003	HIV 1.2.O Rapid test Cassette (Serum/Plasma/Whole Blood)	40 tests
8/003s	HIV 1.2.O Rapid test Strip (Serum/Plasma/Whole Blood)	50 tests
8/005	HBsAg Rapid test Cassettes (Serum/Plasma/Whole Blood)	40 tests
8/005s	HBsAg Rapid test Strips (Serum/Plasma/Whole Blood)	50 tests
8/007	HCV Rapid test Cassettes (Serum/Plasma/Whole Blood)	40 tests
8/007s	HCV Rapid test Strips (Serum/Plasma/Whole Blood)	50 tests
8/505	Syphilis Rapid test Cassettes (Serum/Plasma/Whole Blood)	40 tests
8/505s	Syphilis Rapid test Strips (Serum/Plasma/Whole Blood)	50 tests
60216	Typhoid IgG/IgM rapid test cassette (Serum/Plasma)	40 tests
60215	Typhoid IgG/IgM rapid test strip (Serum/Plasma)	50 tests