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	Cat No.	Unit of Sale
<u>Alcian Blue PAS kit</u>	631045	kit
<i>for the staining of acidic and neutral mucins in tissue samples</i>		
Alcian Blue (1% in 3% acetic acid)	500ml	
Periodic Acid (1% aqueous solution)	500ml	
Schiff's Reagent - Feulgen Reagent	500ml	
Mayer's Haemalum (traditional)	500ml	
<u>Amyloid Staining Kit</u>	631360	kit
<i>for the staining of amyloid deposits</i>		
Congo Red stock	500ml	
Sodium Hydroxide (1% aqueous solution)	500ml	
Mayer's Haemalum (traditional)	500ml	
<u>Auramine Staining Set</u>	621025	set
<i>for the staining of acid fast microorganisms</i>		
Auramine O (Lempart's)	500ml	
Auramine O Decolourizer	2 x 500ml	
Thiazine Red	500ml	
<u>Calcoblue Fungi Staining Kit</u>	631170	kit
<i>for the staining of chitin and cellulose in fungi cell walls. Yeast, mycelia and fruiting structures stain pale blue</i>		
Calcofluor White Solution	2 x 30ml	
Potassium Hydroxide (15% aqueous solution)	2 x 30ml	
Evans Blue (0.1% aqueous solution)	30ml	
<u>Calcobrite Fungi Staining Kit</u>	631150	kit
<i>for the staining of chitin and cellulose in fungi cell walls.</i>		
Calcofluor White Solution	2 x 30ml	
Potassium Hydroxide (15% aqueous solution)	2 x 30ml	
<u>Calcoshow Fungi Staining Kit</u>	631160	kit
<i>for the staining of chitin and cellulose in fungi cell walls.</i>		
Calcofluor White Solution	2 x 30ml	
Potassium Hydroxide (15% aqueous solution)	2 x 30ml	
Lactophenol Blue (in dropper bottle)	30ml	
<u>Field's Stain Kit</u>	631055	kit
<i>for rapid staining of malarial parasites</i>		
Field's Stain Solution A	500ml	
Field's Stain Solution B	500ml	
<u>Giemsa for Malaria Parasites Kit</u>	631270	kit
<i>for staining malarial parasites</i>		
Giemsa's Stain	2 x 500ml	
Sorensen's Buffer pH 7.2	25ml	

	Cat No.	Unit of Sale
<u>Gram's Stain Set (500ml)</u>	621005	set
<i>to demonstrate Gram positive and negative bacteria</i>		
Crystal Violet (Gram) 0.5% aqueous solution	500ml	
Gram's Iodine	500ml	
Gram's decolourizer	500ml	
Safranin O (1% aqueous solution)	500ml	
<u>Gram's Stain Set (1 Litre)</u>	621001	set
<u>Gram's Stain Set (5 Litre)</u>	621009	set
<u>Gram's Stain Set (stabilised) 500ml</u>	621015	set
<i>to demonstrate Gram positive and negative bacteria (contains a stabilized version of iodine)</i>		
Crystal Violet (Gram) 0.5% aqueous solution	500ml	
Gram's Iodine (Stabilized)	500ml	
Gram's decolourizer	500ml	
Safranin O (1% aqueous solution)	500ml	
<u>Gram/Twort Kit</u>	631250	kit
<i>for the demonstration of Gram positive and negative bacteria in tissue specimens</i>		
Crystal Violet (0.5% alcoholic solution)	500ml	
Gram's Iodine	500ml	
Twort's stain (Olletts modification)	500ml	
<u>Haematoxylin & Eosin Staining Kit</u>	631200	kit
<i>for general histology staining</i>		
Mayer's Haemalum (traditional)	500ml	
Eosin Y (1% aqueous solution)	500ml	
<u>Haematoxylin and Eosin Rapid Stain</u>	631210	kit
<i>a rapid version of the H&E stain</i>		
Carazzi's Haematoxylin (double strength)	500ml	
Eosin Y (1% aqueous solution)	500ml	
<u>Highman's Congo Red Kit</u>	631300	kit
<i>to stain amyloid deposits</i>		
Congo Red stock	500ml	
Alcoholic Potassium Hydroxide	500ml	
<u>Kinyoun's Complete Set</u>	621045	kit
<i>a cold technique for the staining of acid fast microorganisms</i>		
Kinyoun's Carbol Fuschin	500ml	
Acid Alcohol (3% HCl in IMS)	2 x 500ml	
Methylene Blue (0.5% aqueous solution)	500ml	

	Cat No.	Unit of Sale
<u>Kleihauer / Shepard's Stain Complete Kit</u>	610920	kit
<i>to stain foetal haemoglobin (HbF)</i>		
Alcoholic Haematoxylin	500ml	
Acidified Ferric Chloride	250ml	
Shepard's Counterstain	1L	
Shepard's Fixative/Diluent	1L	
<u>Kleihauer / Shepard's Stain</u>	610360	set
<i>to stain foetal haemoglobin (HbF). Supplied without counterstain or fixative.</i>		
Alcoholic Haematoxylin	500ml	
Acidified Ferric Chloride	250ml	
<u>Leishman for Parasites Kit</u>	631280	kit
<i>for the differential staining of leucocytes, malarial parasites and trypanosomes</i>		
Leishman's Stain	2 x 500ml	
Sorensen's Buffer pH 6.8	25ml	
<u>Lendrum's Phloxine Tartrazine Kit</u>	631340	kit
<i>for the staining of viral inclusion bodies and Paneth Cell granules</i>		
Phloxine B 0.5% / Calcium Chloride soln	500ml	
Tartrazine (Saturated in 2 ethoxy ethanol)	500ml	
Mayer's Haemalum (traditional)	500ml	
<u>Masson's Trichrome Stain Kit</u>	631065	kit
<i>for the staining of connective tissue & muscle in tissue samples.</i>		
Bouin's Fluid	500ml	
Weigert's Solution 1	500ml	
Weigert's Solution 2	500ml	
Masson's Acid Fuchsin	500ml	
Aniline Blue (Masson's)	500ml	
Phosphotungstic/molybdic acid 2.5% solution	500ml	
Acetic Acid (1% aqueous solution)	500ml	
<u>Miller's Elastin Stain Kit</u>	631075	kit
<i>to demonstrate elastic fibres in tissue sections.</i>		
Miller's Elastin Stain	500ml	
Van Gieson stain	500ml	
Potassium Permanganate	500ml	
Oxalic Acid (1% aqueous solution)	500ml	
<u>Oil Red O Kit</u>	631320	kit
<i>for the diagnosis of malignant mesothelioma and Burkitt's lymphoma.</i>		
Oil Red O Stock (Lillie & Ashburn)	500ml	
Mayer's Haemalum (traditional)	500ml	

	Cat No.	Unit of Sale
<u>Orcein Elastin Kit</u>	631240	kit
<i>to demonstrate elastic fibres in tissue sections.</i>		
Acetic Orcein (La Cour)	500ml	
Methylene Blue (0.5% aqueous solution)	500ml	
<u>Papanicolaou Kit</u>	631350	kit
Harris's acidified Haematoxylin (traditional)	500ml	
Papanicolaou EA 50	500ml	
Papanicolaou Orange G	500ml	
<u>Parpart's Buffered Saline (5 x 10ml bottles per set)</u>	610400	set
<i>to demonstrate the osmotic fragility of red blood cells</i>		
<u>PAS - Periodic Acid/Schiff's Kit</u>	631085	kit
<i>to stain peripheral blood and bone marrow smears and for carbohydrate radicles (e.g. glycogen).</i>		
Periodic Acid (1% aqueous solution)	500ml	
Schiff's Reagent - Feulgen Reagent	500ml	
Neutral Red (1% aqueous solution)	500ml	
<u>Perl's Prussian Blue Kit</u>	631095	kit
<i>to demonstrate ferric salts in tissue sections</i>		
Perl's Solution 1	500ml	
Perl's Solution 2	500ml	
Neutral Red (1% aqueous solution)	500ml	
<u>Shikata's Orcein kit</u>	631290	kit
<i>to demonstrate Australia antigen (Hepatitis B surface antigen).</i>		
Shikata's Orcein	500ml	
Potassium Permanganate	500ml	
<u>Sickle-Test (25 test kit)</u>	610830	25 tests
<i>a Hb S solubility screening test to detect haemoglobin S (HbS), the cause of cases of sickle cell anaemia and sickle cell trait.</i>		
Reagent A, buffered saponin solution	5 x 10ml	
Reagent B, reducing agent	5 x vials	
<u>Sickle-Test (50 Test Kit)</u>	610680	50 tests
Reagent A, buffered saponin solution	5 x 20ml	
Reagent B, reducing agent	5 x vials	
<u>Sickle-Test (100 test kit)</u>	610850	100 tests
Reagent A, buffered saponin solution	5 x 40ml	
Reagent B, reducing agent	5 x vials	

	Cat No.	Unit of Sale
<u>Sickle-Test (125 test kit)</u>	610840	125 tests
Reagent A, buffered saponin solution	5 x 50ml	
Reagent B, reducing agent	5 x vials	
<p>Once reconstituted, a working solution vial is stable for up to one month if kept refrigerated. Sickle-test controls are now sold separately, see below.</p>		
<u>Sickle-Test Controls (0.5 mL)</u>	610820	set
Sickle Cell Positive Control	0.5ml	
Sickle Cell Negative Control	0.5ml	
<p>Sickle-Test controls should be stored frozen until required.</p>		
<u>Southgate's Mucicarmine Kit</u>	631310	kit
<i>to stain acidic mucins in tissue sections</i>		
Mucicarmine (Southgate's)	500ml	
Mayer's Haemalum (traditional)	500ml	
Acid Alcohol (3% HCl in IMS)	500ml	
<u>Speedy-Diff Complete (500ml)</u>	610815	kit
<i>a rapid Romanovsky type stain</i>		
Speedy-Diff Stain "A"	500ml	
Speedy-Diff Stain "B"	500ml	
Speedy-Diff Fixative	500ml	
<p>Also available in the following, larger sizes</p>		
<u>Speedy-Diff Complete (1 Litre)</u>	610811	kit
<u>Speedy-Diff Complete (2.5 Litre)</u>	610810	kit
<u>Speedy-Diff Complete (5 Litre)</u>	610819	kit
<p>And as a kit for the smaller user,</p>		
<u>Speedy-Diff Slide Kit</u>	610670	75 tests
Speedy-Diff Stain "A" for slide test	2 x 30ml	
Speedy-Diff Stain "B" for slide test	2 x 30ml	
Sorensen's Buffer pH 6.9	30ml	
<u>Sudan Black Staining Kit</u>	631105	kit
<i>to demonstrate lipids in tissue sections.</i>		
Sudan Black (Buffered)	500ml	
Gill's Haematoxylin (triple strength)	500ml	
Glutraldehyde Solution	100ml	
Acetone CP	100ml	
<u>Van Gieson Kit</u>	631220	kit
<i>to demonstrate elastic fibres in tissue sections.</i>		
Mayer's Haemalum (traditional)	500ml	
Van Gieson stain	500ml	
Celestin Blue (Picro-Mallory)	500ml	

	Cat No.	Unit of Sale
<u>Verhoeff's Kit</u>	631115	kit
<i>to demonstrate elastic fibres in tissue sections.</i>		
Verhoeff's elastin Stain Solution 1	500ml	
Verhoeff's Differentiating Fluid	500ml	
Van Gieson stain	500ml	
Verhoeff's Elastin Stain Solution 2	250ml	
Verhoeff's Elastin Stain Solution 3	250ml	
<u>Wade-Fitt (for Mycobacterium Leprae) Kit</u>	631260	kit
<i>to stain M.leprae</i>		
Carbol-Fuchsin (Ziehl-Neelsen)	500ml	
Mayer's Haemalum (traditional)	500ml	
Sulphuric Acid (10% aqueous solution)	500ml	
<u>Ziehl-Neelsen Complete Set</u>	621035	kit
<i>for the staining of acid fast microorganisms</i>		
Carbol-Fuchsin (Ziehl-Neelsen)	500ml	
Acid Alcohol (3% HCl in IMS)	2 x 500ml	
Methylene Blue (0.5% aqueous solution)	500ml	

	Cat No.	Unit of Sale
<u>Testing for abnormal haemoglobins etc.</u>		
<u>Hb-H in red cells</u>		
Brilliant Cresyl Blue (1% in iso-osmotic buffer)	610621	100ml
	610620	500ml
New Methylene Blue (1% in 0.9% saline)		
	610631	100ml
	610630	500ml
<u>Heinz bodies</u>		
Methyl Violet (0.5% in 0.9% saline)	610651	100ml
	610650	500ml
<u>Osmotic fragility of red blood cells</u>		
Parpart's Buffered Saline (5 x 10ml bottles per set)	610400	set
<i>1 bottle diluted to 100 mL is osmotically equivalent to 1% NaCl (pipetting table supplied)</i>		
<u>Hb F in foetal-maternal circulation</u>		
<u>Shepard's modification of the Kleihauer-Betke method</u>		
Probably the most widely used method in the UK. Reagents stable for up to three years unopened and the technique does not rely on buffers. A simple to use method which gives consistent results.		
Kleihauer / Shepard's Stain Complete Kit	610920	kit
<i>Contains 500 mL Haematoxylin Solution 1, 250 mL Ferric Chloride Solution 2, 1 litre Eosin counterstain and 1 litre 80% Alcohol fixative/diluent</i>		
Kleihauer / Shepard's Stain	610360	set
<i>Contains 500 mL Haematoxylin Solution 1 and 250 mL Ferric Chloride Solution 2, testing also requires Eosin counterstain and fixative/diluent</i>		
Shepard's Counterstain	610375	500ml
<i>Eosin Y (1% aqueous solution)</i>		
	610371	1L
	610370	2.5 L
	610379	5L
Shepard's Fixative/Diluent	610591	1L
<i>80% alcohol</i>		
	610590	2.5L
	610599	5L
Erythrosine (0.1% aqueous solution)	610615	500ml
<i>An alternative Shepard's counterstain</i>		
	610610	1L

	Cat No.	Unit of Sale
<u>Sickle cell anaemia and sickle cell trait - Hb-S solubility screening tests</u>		
Once reconstituted, a working solution vial is stable for up to one month if kept refrigerated. Sickle-test controls are now sold separately, see below.		
Sickle-Test (25 test kit)	610830	25 tests
Sickle-Test (50 Test Kit)	610680	50 tests
Sickle-Test (100 test kit)	610850	100 tests
<u>Sickle-Test Controls</u>		
Sickle-Test controls should be stored frozen until required.		
Sickle-Test Controls (0.5 mL) <i>0.5 mL each of colour coded liquid Positive (AS) and Negative (AA) controls, stable for 2 years when frozen. Not suitable as electrophoresis controls.</i>	610820	set
Sickle-Test Controls (5 mL) <i>5 mL each of colour coded liquid Positive (AS) and Negative (AA) controls, stable for 2 years when frozen. Not suitable as electrophoresis controls.</i>	610825	set

Differential Staining

Classical Romanowsky type stains

These are made by traditional "as in the laboratory" methods, with incubation and/or ripening times as appropriate.

Giemsa's Stain <i>0.6% Giemsa stain in 50% Methanol / 50% Glycerol</i> <i>A modern improved type with Azur I incorporated in the stain</i>	610255	500ml
	610251	1L
	610250	2.5L
	610259	5L
Jenner's Stain	610235	500ml
	610231	1L
	610230	2.5L
	610239	5L
Leishman's Stain	610225	500ml
	610221	1L
	610220	2.5L
	610229	5L
May-Grunwald's Stain	610245	500ml
	610241	1L
	610240	2.5L
	610249	5L

	Cat No.	Unit of Sale
Wright's Stain	610345	500ml
	610341	1L
	610340	2.5L
	610349	5L
Wright-Giemsa Stain	610415	500ml
<i>90% Wright's Stain / 10% Giemsa Stain</i>	610411	1L
	610410	2.5L
<i>The addition of Giemsa gives improved nuclear detail</i>	610419	5L
<u>Single step Stain</u>		
<i>This is a single step product which fixes and stains in seconds, re-formulated</i>		
Swift-Diff Stain	610935	500ml
	610930	1L
<u>Rapid Differential Staining</u>		
<i>Speedy-Diff gives rapid staining of blood films in 20-30 seconds. The results are comparable with standard Romanowsky stains. Films are fixed normally and then stained in buffered aqueous staining solutions.</i>		
<u>Kits</u>		
Speedy-Diff Complete (500ml)	610815	kit
<i>500 mL each of Speedy-Diff Stain A, Speedy-Diff Stain B & Speedy-Diff Fixative</i>		
Speedy-Diff Complete (1 Litre)	610811	kit
<i>1 Litre each of Speedy-Diff Stain A, Speedy-Diff Stain B & Speedy-Diff Fixative</i>		
Speedy-Diff Complete (2.5 Litre)	610810	kit
<i>2.5 Litre each of Speedy-Diff Stain A, Speedy-Diff Stain B & Speedy-Diff Fixative</i>		
Speedy-Diff Complete (5 Litre)	610819	kit
<i>5 L each of Speedy-Diff Stain A, Speedy-Diff Stain B & Speedy-Diff Fixative</i>		
Speedy-Diff Slide Kit	610670	75 tests
<i>Based on the same stains and principles as Speedy-Diff bulk methods. Testing takes under 2 minutes with sufficient reagents for around 75 slides. Especially useful in Microbiology Labs for CSF specimens and intestinal parasites.</i>		

	Cat No.	Unit of Sale
<u>Separate Speedy-Diff components</u>		
Speedy-Diff Stain "A"	610795	500ml
<i>Buffered Eosin Y</i>	610791	1L
	610790	2.5L
	610799	5L
Speedy-Diff Stain "B"	610805	500ml
<i>Buffered Methylene Blue / Azur 1</i>	610801	1L
	610800	2.5L
	610809	5L
Speedy-Diff Fixative	610785	500ml
<i>Methanol with blue colourant</i>	610781	1L
	610780	2.5L
	610789	5L
<u>Sorensen's Buffers</u>		
<i>Supplied in concentrated liquid form, Dilute 5 mL to 1 Litre.</i>		
<i>(Each pack contains 5 x 25 mL)</i>		
Sorensen's Buffer pH 6.8	610210	pack
Sorensen's Buffer pH 6.9	625080	pack
Sorensen's Buffer pH 7.0	610450	pack
Sorensen's Buffer pH 7.2	610460	pack
<i>Sorensen's buffers should be used to maintain consistent staining results when staining all blood films, whether by traditional methods, or when using the Speedy-Diff stains.</i>		
<u>Other Stains and Counting Fluids</u>		
Field's Stain Solution A	610385	500ml
<i>Buffered Methylene Blue / Azur 1</i>	610380	1L
Field's Stain Solution B	610395	500ml
<i>Buffered Eosin Y</i>	610390	1L
<i>Field's A & B are used to demonstrate malarial parasites</i>		
Methanol	610880	2.5L
<i>Selected for Romanowsky stains</i>	610889	5L
Modified Drabkin's Reagent	610200	1 set
<i>10 ampoules of dry powder to make 1 litre each</i>		
Modified Drabkin's Reagent	610201	100g
<i>bulk pack - use at 1.25 g/L</i>		
Neutral Red (1% aqueous solution)	620225	500ml
	620221	1L
	620220	2.5L
	620229	5L

	Cat No.	Unit of Sale
Periodic Acid (1% aqueous solution)	692035 692030	500ml 1L
Perl's Solution 1 <i>2% Potassium ferricyanide aqueous solution</i>	610265 610260	500ml 1L
Perl's Solution 2 <i>2% Hydrochloric acid aqueous solution</i>	610275 610270	500ml 1L
Platelet Fluid (Modified Barr's) for manual counts <i>0.25% Saponin in Citrate/ Formalin buffer</i>	610145 610140	500ml 1L
Red Cell Fluid for manual counts <i>Citrate/ Formalin buffer</i>	610185 610180	500ml 1L
Reticulocyte Stain (NMB) <i>1% New Methylene Blue in isotonic Phosphate buffer</i>	610161 610160	100ml 500ml
Reticulocyte Stain (BCB) <i>1% Brilliant Cresyl Blue in Citrate buffer</i>	610441 610440	100ml 500ml
Schiff's Reagent - Feulgen Reagent <i>Pararosaniline chloride / Hydrochloric acid / Sodium Metabisulphite</i>	610285 610280	500ml 1L
Stippled Cell Stain (Whitby & Britton) <i>Used to detect the stippling of red cells in lead poisoning</i>	610351 610355 610350	100ml 500ml 1L
Sudan Black (Buffered) <i>0.18% Sudan Black B in 60% Alcohol / 4% Phenol</i>	610955 610950	500ml 1L
White Cell (Turck's) Fluid <i>2% Acetic acid aqueous solution with Crystal Violet colourant</i>	610175 610170	500ml 1L

Physiological Salines

Pre-weighed sachets (in sets of 5 sachets)

Saline 0.85%; preweighed sachet (42.5g) to make 5 litres	650520	5 pk
Saline 0.85%; preweighed sachet (85.0g) to make 10 litres	650530	5 pk

Saline 0.9%; preweighed sachet (45.0g) to make 5 litres	650540	5 pk
Saline 0.9%; preweighed sachet (90.0g) to make 10 litres	650550	5 pk

Concentrated Phosphate Buffered Salines

PBS pH 7.0 (20 x concentrate) - with azide	691680	500ml
PBS pH 7.0 (20 x concentrate) - without preservatives	691690	500ml
PBS pH 7.4 (20 x concentrate) - without preservatives	610900	500ml

	Cat No.	Unit of Sale
<u>Ready-to-use Phosphate Buffered Saline</u>		
PBS Azide pH 7.0 (ready-to-use)	610720	5L
PBS Azide pH 7.0 (ready to use)	670120	10L
PBS Azide pH 7.0 (ready to use)	670110	20L
<u>Concentrate Low Ionic Strength Saline</u>		
LISS (10 x concentrate)	610500	1L
<u>Ready-to-use Low Ionic Strength Saline</u>		
LISS pH 6.7 (ready to use)	610511	1L
LISS pH 6.7 (ready to use)	610519	5L
LISS pH 6.7 (ready to use)	610510	10L
<u>Owren's Buffer for coagulation measurements</u>		
Owren's Buffer with azide pH 7.35	610871	1L
Owren's Buffer with azide pH 7.35	610870	2.5L
Owren's Buffer with azide pH 7.35	610879	5L
<u>Immersion Oils and Mountants</u>		
PanScan immersion oil in dropper bottle	610553	30ml
<i>Refractive Index = 1.450</i>	610556	60ml
PanScan immersion oil	610551	100ml
<i>Refractive Index = 1.450</i>	610550	500ml
PanScan Xtra immersion oil in dropper bottle	610913	30ml
<i>Refractive Index = 1.518</i>	610916	60ml
PanScan Xtra immersion oil	610911	100ml
<i>Refractive Index = 1.518</i>	610910	500ml
Neutral Mounting Medium (DPX)	610301	100ml
	610300	500ml

	Cat No.	Unit of Sale
<u>Gram Staining</u>		
Gram's Stain Set (stabilised) 500ml <i>Contains 500 mL each of crystal violet, stabilized Gram's iodine, decolourizer and safranin O</i>	621015	set
Gram's Stain Set (500ml) <i>Contains 500 mL each of crystal violet, Gram's iodine, decolourizer and safranin</i>	621005	set
Carbol-Fuchsin (Dilute)	620135 620131 620130 620139	500ml 1L 2.5L 5L
Crystal Violet (Gram) 0.5% aqueous solution	620155 620151 620150 620159	500ml 1L 2.5L 5L
Crystal Violet (Hucker-Conn) <i>Crystal Violet 2% oxalated in 20% alcohol</i>	620505 620501 620500	500ml 1L 2.5L
Gram's Iodine	620165 620160 620169	500ml 1L 5L
Gram's Iodine (Stabilized)	620855 620850	500ml 1L
Gram's decolourizer <i>95% alcohol</i>	620615 620611 620610 620619	500ml 1L 2.5L 5L
Jensen's Neutral Red <i>Neutral Red 1% in 1% acetic acid</i>	620535 620530	500ml 1L
Lugol's Iodine	640525 640520 640529	500ml 1L 5L
Lugol's Iodine (Stabilized)	620865 620860	500ml 1L
Methyl Violet (Jensen) <i>Methyl Violet 6B 0.5% aqueous</i>	620525 620520	500ml 1L

	Cat No.	Unit of Sale
Neutral Red (1% aqueous solution)	620225	500ml
	620221	1L
	620220	2.5L
	620229	5L
Safranin O (1% aqueous solution)	620245	500ml
	620241	1L
	620240	2.5L
	620249	5L
Safranin O (Hucker-Conn) <i>Safranin O 0.25% in 10% alcohol</i>	620515	500ml
	620511	1L
	620510	2.5L

Acid fast staining

Kinyoun's "Cold" modified Ziehl-Neelsen Stain

A widely used improvement on the classical techniques as it obviates the hazard of heating carbol fuchsin

Kinyoun's Complete Set <i>Contains 500 mL each of Kinyoun's carbol fuchsin and Lillie's methylene blue with 1 L acid alcohol</i>	621045	kit
Acid Alcohol (3% HCl in IMS)	620585	500ml
	620581	1L
	620580	2.5L
	620589	5L
Kinyoun's Carbol Fuschin	620605	500ml
	620601	1L
	620600	2.5L
Lillie's Methylene Blue	620725	500ml
	620721	1L
	620720	2.5L

Classical Ziehl-Neelsen staining

Ziehl-Neelsen Complete Set
Contains 500 mL each of carbol fuchsin and methylene blue with 1 L acid alcohol

Acid Alcohol (3% HCl in IMS)	620585	500ml
	620581	1L
	620580	2.5L
	620589	5L
Carbol-Fuchsin (Ziehl-Neelsen)	620125	500ml
	620121	1L
	620120	2.5L

	Cat No.	Unit of Sale
Gabett's Methylene Blue	620985	500ml
	620981	1L
<i>Methylene Blue 1%, Sulphuric Acid 20% in 30% alcohol</i>	620980	2.5L
Loeffler's Methylene Blue	620215	500ml
	620211	1L
	620210	2.5L
Malachite Green (0.1% aqueous solution)	620195	500ml
	620191	1L
	620190	2.5L
Methylene Blue (0.5% aqueous solution)	620205	500ml
	620201	1 L
	620200	2.5L
Sulphuric Acid (20% aqueous solution)	620645	500ml
	620641	1L
	620640	2.5L
Sulphuric Methylene Blue	620995	500ml
<i>Methylene Blue 0.5% in 20% Sulphuric Acid</i>	620991	1L
	620990	2.5L

Fluorescent stains for mycobacteria

Permanganate has long been used to improve the auramine phenol method of detecting acid fast bacteria, as has the addition of rhodamine B. However the best results seem to be obtained by substituting thiazine red for the permanganate. Auramine phenol can also be used to demonstrate the oocysts of Cryptosporidium.

Auramine Staining Set <i>Contains 500 mL each of Auramine O and Thiazine Red with 2 x 500 mL Decolourizer</i>	621025	set
Auramine O (Lempar's) <i>Auramine O 0.3% in 3% Phenol</i>	690135	500ml
	690131	1L
	690130	2.5L
	690139	5L
Auramine O Decolourizer	690375	500ml
	690371	1L
	690370	2.5L
<i>Sodium Chloride 0.5%, Hydrochloric Acid 0.5% in 75% Alcohol</i>	690379	5L
Auramine O & Rhodamine B	620555	500ml
	620551	1L
<i>Auramine O 0.12%, Rhodamine B 0.6% in 60% Glycerol / 8% Phenol</i>	620550	2.5L

	Cat No.	Unit of Sale
Auramine O & Rhodamine B Decolourizer <i>Hydrochloric Acid 5% in 70% Alcohol</i>	620565	500ml
	620561	1L
	620560	2.5L
Potassium Permanganate <i>0.5% aqueous solution</i>	620575	500ml
	620571	1L
	620570	2.5L
Thiazine Red	620625	500ml
	620621	1L
	620620	2.5L
	620629	5L

Spore Stains

Carbol-Fuchsin (Ziehl-Neelsen)	620125	500ml
	620120	2.5L
Ferric Chloride (30% aqueous solution)	622015	500ml
Malachite Green (5% aqueous solution)	690515	500ml
	690510	1L
Methylene Blue (1% aqueous solution)	622035	500ml
Nigrosine (in dropper bottle)	622053	30ml
Nigrosine (1% aqueous solution)	622055	500ml
Nigrosine (10% aqueous solution in dropper bottle)	620233	30ml
	620235	500ml
Safranin O (0.5% aqueous solution)	622105	500ml
Sodium Sulphite (5% aqueous solution)	622095	500ml

Capsule Stains

Copper Sulphate (in dropper bottle)	622073	30ml
	622075	500ml
Crystal Violet (in dropper bottle)	622063	30ml
	622065	500ml
Loeffler's Methylene Blue (in dropper bottle)	620213	30ml
	620215	500ml
Safranin O (in dropper bottle)	620243	30ml
	620245	500ml

	Cat No.	Unit of Sale
<u>Other stains and reagents</u>		
Albert's Stain A	620105	500ml
	620100	1L
Albert's Stain B	620115	500ml
	620110	1L
Crystal Violet (0.5% alcoholic solution)	692005	500ml
	692000	1L
Erhlich's Rosindole Reagent	620273	30ml Dr
	620270	500ml
Harris's Permanganate <i>1% aqueous solution</i>	620705	500ml
Harris's Crystal Violet <i>2% aqueous solution</i>	620715	500ml
Lactophenol <i>40% Glycerol, 20% Phenol, 20% Lactic Acid</i>	691795	500ml
	691791	1L
Lactophenol Blue (in dropper bottle)	641633	30ml
Lactophenol Blue <i>Aniline Blue 0.075%, 40% Glycerol, 20% Phenol, 20% Lactic Acid</i>	641635	500ml
	641630	1L
Methylene Blue Polychromed <i>Methylene Blue 1%, Potassium Carbonate 1%</i>	641725	500ml
	641721	1L
	641720	2.5L
Neutral Mounting Medium (DPX)	610301	100ml
	610300	500ml
Nigrosine (10% aqueous solution in dropper bottle)	620233	30ml
Nigrosine (10% aqueous solution)	620235	500ml
	620230	1L
PanScan immersion oil in dropper bottle <i>Refractive Index = 1.450</i>	610553	30ml
	610556	60ml
PanScan immersion oil <i>Refractive Index = 1.450</i>	610551	100ml
	610550	500ml
PanScan Xtra immersion oil in dropper bottle <i>Refractive Index = 1.518</i>	610913	30ml
	610916	60ml
PanScan Xtra immersion oil <i>Refractive Index = 1.518</i>	610911	100ml
	610910	500ml

	Cat No.	Unit of Sale
Potassium Hydroxide (30% solution in dropper bottle)	691400	30ml
Potassium Hydroxide (30% aqueous solution)	691405	500ml
Pugh's Stain	622045	500ml
<i>Toluidine Blue 0.2%, Acetic acid 5% in 2% alcohol</i>	622040	1L
Ruge's Solution	620665	500ml
<i>Formalin 2% in 1% acetic acid</i>		
Ruge's Mordant	620675	500ml
<i>Tannic acid 5% aqueous</i>		
Speedy-Diff Slide Kit	610670	75 tests
<i>A two minute process giving Romanowsky type staining.</i>		
Wayson's Stain	620655	500ml
<i>Bipolar staining of Yersinia pestis</i>	620650	1L

	Cat No.	Unit of Sale
<u>Sperm Vitality</u>		
Eosin Y (in dropper bottle)	625013	30ml
Eosin Y (0.5% in 0.9% Saline)	625015	500ml
	625010	1L
Eosin Y (in dropper bottle)	625023	30ml
Eosin Y (1% aqueous solution)	625025	500ml
	625020	1L
Nigrosine (10% aqueous solution in dropper bottle)	625033	30ml
Nigrosine (10% aqueous solution)	625035	500ml
	625030	1L
<u>Sperm Morphology</u>		
<u>Bryan-Leishman method</u>		
Bryan's Stain (Modified)	625045	500ml
	625040	1L
Alpha-Naphthol Stock	625055	500ml
	625050	1L
Pyronin Y	625061	100ml
<i>0.1% in 96ml of 40% Alcohol + 4ml Aniline</i>	625060	500ml
Sodium Citrate Buffer pH 7.5	625071	1L
	625070	2.5L
Sorensen's Buffer pH 6.9	625080	pack
<i>Supplied in concentrated liquid form. Dilute 5 mL to 1 Litre. (Each set of consists 5 x 25 mL)</i>		
Leishman's Stain	610221	1L
Alcoholic Formalin	625095	500ml
	625091	1L
	625090	2.5L
<u>Shorr's stain method</u>		
Harris's Haematoxylin (traditional) unacidified	641625	500ml
	641621	1L
	641620	2.5L
Shorr's Stain	641475	500ml
	641471	1L
	641470	2.5L
Sorensen's Buffer pH 6.9	625080	pack
<i>Supplied in concentrated liquid form. Dilute 5 mL to 1 Litre. (Each set of consists 5 x 25 mL)</i>		

	Cat No.	Unit of Sale
Ammonium Alcohol	625115	500ml
<i>3% ammonia in 75% alcohol</i>	625111	1L
	625110	2.5L
<u>Papanicolaou's stain method</u>		
Papanicolaou EA 50	640705	500ml
	640701	1L
	640700	2.5L
Papanicolaou Orange G	640725	500ml
	640721	1L
	640720	2.5L
Harris's acidified Haematoxylin (traditional)	640455	500ml
	640451	1L
	640450	2.5L
Scott's Tapwater Substitute	641281	1L
	641280	2.5L
	641289	5L
Acid Alcohol for semen examination	625125	500ml
<i>0.5% Hydrochloric acid in 75% alcohol</i>	625121	1L
	625120	2.5L
<u>Giemsa stain method</u>		
Giemsa's Stain	610255	500ml
	610251	1L
	610250	2.5L
Sorensen's Buffer pH 6.9	625080	pack
<i>Supplied in concentrated liquid form. Dilute 5 mL to 1 Litre. (Each set of consists 5 x 25 mL)</i>		
<u>Diluents for total spermatzoa counts</u>		
Spermatoza Diluent (colourless)	625105	500ml
	625101	1L
<i>Sodium Hydrogen Carbonate 5%, Formalin 2% aqueous solution</i>	625100	2.5L
Spermatoza Diluent (with trypan blue)	625135	500ml
	625131	1L
<i>Sodium Hydrogen Carbonate 5%, Formalin 2%,</i>	625130	2.5L

Cat Unit of Sale
No.

Stains recommended by NEQAS for faecal parasites

Romanowsky stains

Field's Stain Slide Kit	611000	kit
Giemsa's Stain	610255	500ml

Modified Ziehl-Neelsen stains

Kinyoun's Carbol Fuschin	620605	500ml
Acid Alcohol (3% HCl in IMS)	620585	500ml
Malachite Green (Counterstain) <i>0.5% aqueous solution</i>	629015	500ml
Malachite Green (5% aqueous solution)	690515	500ml
Methylene Blue (0.5% aqueous solution)	620205	500ml

Modified Trichrome Stains

Acetic acid Alcohol 0.5% <i>0.5% Acetic acid in 90% alcohol</i>	621095	500ml
Acetic acid Alcohol 4.5% <i>4.5% Acetic acid in 90% Alcohol</i>	621105	500ml
Ryan-Blue modified Trichrome <i>Chromotrope 2R 6%, Aniline Blue 0.5%, Phosphotungstic acid 0.25% in 3% Acetic acid</i>	621545	500ml
Weber's modified Trichrome <i>Chromotrope 2R 6%, Phosphotungstic acid 0.7%, Fast Green 0.3% in 3% Acetic acid</i>	621535	500ml
Wheatley's modification of Gomori's Trichrome <i>Chromotrope 2R 0.6%, Phosphotungstic acid 0.7%, Light Green 0.3% in 1% Acetic acid</i>	621525	500ml

Phenol Auramine stain

Auramine O (Lempart's)	690135	500ml
Auramine O Decolourizer	690375	500ml
Thiazine Red	620625	500ml
Potassium Permanganate <i>0.1% aqueous solution</i>	621055	500ml

Cat Unit of Sale
No.

Stains recommended by CDC for faecal parasites

Chromotrope staining procedure

This technique uses a higher concentration of chromotrope 2R than most other methods

Acetic acid Alcohol 0.45% 621075 500ml

Chromotrope Stain 621065 500ml

*Chromotrope 2R 0.6%, Phosphotungstic acid 0.7%,
Fast Green 0.15% in 3% Acetic acid*

Quick-Hot Gram - Chromotrope staining procedure

Acetic acid Alcohol 0.45% 621075 500ml

0.45% acetic acid in 90% alcohol

Chromotrope Stain (Hot Gram) 621085 500ml

*Chromotrope 2R 1%, Phosphotungstic acid 0.25%,
Fast Green 0.15% in 1% Acetic acid*

Crystal Violet (Gram) 0.5% aqueous solution 620155 500ml

Gram's Iodine 620165 500ml

Gram's decolourizer 620615 500ml

Modified Safranin Technique (hot method)

Acid Methanol 3% 621115 500ml

3% Hydrochloric acid in Methanol

Malachite Green (3% aqueous solution) 621135 500ml

Safranin O (1% aqueous solution) 620245 500ml

Stool Fixative, Preservative and Concentration Fluids

Formalin PBS 621245 500ml

1.5% formalin in Phosphate Buffered Saline

621241 1L

621240 2.5L

PVA fixative (zinc formulation) 621225 500ml

mercury free

621221 1L

621220 2.5L

SAF (Sodium Acetate Formalin) 621235 500ml

621231 1L

*Formaldehyde 4%, Triton X-100 0.1% in pH 4.2
Sodium acetate / acetic acid buffer*

621230 2.5L

Cat Unit of Sale
No.

Fluorescent stains for Trichomonas vaginalis

Acridine Orange is recommended as a rapid method for screening routine material from the female genital tract.

Acridine Orange 0.01% pH 3.5-4.0 working solution <i>can be used as a rapid method for screening for Trichomonas vaginalis</i>	620542	250ml
	620540	1L
Acridine Differentiating Fluid	620745	500ml
<i>Sodium Chloride 0.8% in 2% alcohol</i>	620740	1L
Acridine phosphate buffered saline pH 7.2	620755	500ml
<i>holding solution</i>	620750	1L

	Cat No.	Unit of Sale
<u>Stains</u>		
Aceto-Carmine (Schneider)	642435	500ml
<i>Carmine 0.5% in 45% acetic acid</i>	642430	1L
Acetic Orcein (La Cour)	642445	500ml
<i>Orcein 1% in 45% acetic acid</i>	642440	1L
Acid Fuchsin (1% aqueous solution)	640105	500ml
	640100	1L
Acid Fuchsin (Picro-Mallory)	640115	500ml
<i>1% in 3% TCA solution</i>	640110	1L
Alcian Blue 0.3%	640125	500ml
<i>0.3% in 3% acetic acid</i>	640120	1L
Alcian Blue (1% in 3% acetic acid)	642475	500ml
	642470	1L
Alcian Blue (Lison's) 0.5%	640135	500ml
<i>0.5% in 0.5% acetic acid</i>	640130	1L
Gomorri's Aldehyde Fuchsin	640145	500ml
<i>Pararosanine 0.5%, Formalin 1% in 60% alcohol</i>	640140	1L
Aniline Blue (1% alcoholic solution)	640165	500ml
	640160	1L
Aniline Blue (1% aqueous solution)	640175	500ml
	640170	1L
Aniline Blue (Masson's)	640185	500ml
<i>Aniline Blue 2.5% in 2.5% acetic acid</i>	640180	1L
Aniline Blue - Orange G (Azan)	640195	500ml
<i>Aniline Blue 0.5%, Orange G 2% in 8% acetic acid</i>	640190	1L
Aniline Blue - Orange G (Mallory's)	640205	500ml
<i>Aniline Blue 0.5%, Orange G 2% in 1% phosphotungstic acid</i>	640200	1L
Aniline Xylol	641161	1L
<i>25% Aniline in Xylene</i>	641160	2.5L
Azo Carmine B 0.5%	640225	500ml
<i>0.5% in 1% acetic acid</i>	640220	1L
Basic Fuchsin (1% alcoholic solution)	640235	500ml
	640230	1L
Best's Carmine Stock	640241	100ml
	640245	500ml

	Cat No.	Unit of Sale
Best's Differentiating Fluid	640255	500ml
	640250	1L
Borax Carmine (Grenacher's) <i>Carmine 0.5%, Borax 2% in 35% alcohol</i>	642521	1L
	642520	2.5L
Carazzi's Haematoxylin (single strength)	642305	500ml
	642300	1L
Carazzi's Haematoxylin (double strength)	642315	500ml
	642310	1L
Carbol-Fuchsin (Ziehl-Neelsen)	620125	500ml
	620121	1L
Kinyoun's Carbol Fuschin	620605	500ml
	620601	1L
Carmalum (Mayer's) <i>Carmine 0.5%, Salicylic acid 0.1% in 5% Potassium Aluminium Sulphate</i>	640295	500ml
	640290	1L
Celestin Blue (Picro-Mallory) <i>Celestine Blue 0.5%, Aluminium Iron Sulphate 5% in 14% glycerol solution</i>	640305	500ml
	640300	1L
Chlorantine Fast Red (Lison's Sirius Red) <i>0.5% aqueous solution</i>	640315	500ml
	640310	1L
Chromotrope 2R (Lendrum) <i>Chromotrope 2R 0.5% in 1% Phenol solution</i>	641555	500ml
	641550	1L
Cole's Haematoxylin	640425	500ml
	640421	1L
	640420	2.5L
Congo Red (1% aqueous solution)	640325	500ml
	640320	1L
Congo Red stock <i>saturated dye and sodium chloride in 80% alcohol.</i>	640335	500ml
	640330	1L
Cresyl Fast Violet (0.14% aqueous solution)	641575	500ml
Crystal Violet (Gram) 0.5% aqueous solution	620155	500ml
	620150	2.5L
Crystal Violet (Hucker-Conn) <i>Crystal Violet 2% oxalated in 20% alcohol</i>	620505	500ml
	620500	2.5L
Delafield's Haematoxylin	640435	500ml
	640430	1L

	Cat No.	Unit of Sale
Downie's Stain A (Modified Mann's)	641585	500ml
<i>Eosin Y 1%, Orange G 1% aqueous solution</i>	641580	1L
Downie's Stain B (Modified Mann's)	641595	500ml
<i>Methyl Blue 1% aqueous solution</i>	641590	1L
Ehrlich's Haematoxylin	640445	500ml
	640441	1L
	640440	2.5L
Eosin Y (1% alcoholic Solution)	640375	500ml
	640370	1L
Eosin Y (1% aqueous solution)	640385	500ml
	640381	1L
	640380	2.5L
Fouchet's Reagent (in dropper bottle)	631033	30ml
Fouchet's Reagent (TCA / FeCl ₃ aqueous solution)	631030	500ml
Gill's Haematoxylin (single strength)	642005	500ml
	642001	1L
	642000	2.5L
Gill's Haematoxylin (double strength)	642375	500ml
	642371	1L
	642370	2.5L
Gill's Haematoxylin (triple strength)	642385	500ml
	642381	1L
	642380	2.5L
Gomorri's Aldehyde Fuchsin	640145	500ml
<i>Parosaniline 0.5%, Formalin 1% in 60% alcohol</i>	640140	1L
Gomorri's Trichrome Stain	641605	500ml
<i>Chromotrope 2R 0.6%, Fast Green FCF 0.3%, Phosphotungstic acid 0.6% in 1% acetic acid</i>	641600	1L
Guard's Biebrich Scarlet	641535	500ml
<i>Biebrich Scarlet 1%, Phosphotungstic acid 0.3%, Acetic acid 5% in 47% alcohol</i>	641530	1L
Guard's Fast Green	641615	500ml
<i>Fast Green FCF 0.5%, Phosphotungstic acid 0.3%, Acetic acid 5% in 70% alcohol</i>	641610	1L
Hart's Resorcin-Fuchsin Elastin Stain	640345	500ml
	640340	1L