

Simplicity for Science



About Us

Atom Scientific is a specialised manufacturer of diagnostic reagents with over 50 years in delivering exceptional quality to the life science industry throughout the world

History

Established in 2009, Atom Scientific is a specialist manufacturer of diagnostic stains and reagents for Life Science Laboratories

As the business has grown it has organically grown its product range to incorporate a comprehensive range of chemicals to suit our customer's needs

Our Primary Aims are to deliver:

- **Quality**
- **Service**
- **Cost Effective Pricing**

Quality

Our Quality Management Systems are Certificated to **ISO9001:2015**

Our QA/Compliance Team ensure our products are fully auditable from raw material to finished product

Our Life Science Testing Laboratory is operated by experienced Life Scientists, ensuring our products are compliant to the requirements of **ISO15189**, saving our customers time and resources in compliance, whilst ensuring consistent quality

Facilities

In 2020, the company opened our new 40,000 sq ft facility in Manchester, enabling Atom Scientific to significantly increase operational capacity, whilst ensuring compliance to all current and future legislation. We specialise in finished product pack sizes from 10ml/10gm to 25L/25Kg and have manufacturing capacity for batches from 500ml - 5000L

Our facilities can accomodate single bottle requirements up to multiple 1000's to meet any lead time requirement

All chemicals and reagents offered by Atom Scientific are manufactured, packed and distributed on-site

Contact Us



+44 (0) 161 366 5123



sales@atomscientific.com



+44 (0) 1704 33 7167



www.atomscientific.com

Orders

Orders can be placed On-Line, by Email or by Fax.



orders@atomscientific.com

All orders must include Delivery and Invoice Address and product information as follows:

- Product Code
- Product Name
- Pack Size
- Qty
- Price

All prices on website or in price lists are quoted ex-works on an E,O&E basis.

Technical

Atom provide a Technical Resource on our website, where the following can be downloaded:

- Material Safety Data Sheet (MSDS)
- Certificate of Conformity
- Certificate of Analysis
- Product Protocols

If we hold a Technical email address for you, a full MSDS will be emailed automatically at point of despatch.

If you need technical assistance, please contact:



technical@atomscientific.com



ISO15189 compliant products
simply delivering consistency
and reliability to **Life Sciences**

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Our philosophy is to make science simple, we deliver high quality validated products, in fit for purpose packaging, safely shipped, at competitive prices, where you want them, when you need them



www.atomscientific.com

UK NEQAS CPT

Our Scores

With the ongoing introduction of ISO15189, in 2017 Atom Scientific made the decision to undertake a full quality review of all of our Special Stain Kits to ensure we were able to offer our customers pre-validated products to facilitate their ISO15189 compliance. Since 2018, we have participated in the UK NEQAS CPT (Cellular Pathology Technique) scheme as an independent validation of our in-house lab testing results.

A bit about UK NEQAS CPT...
UK NEQAS CPT delivers a standardised UKAS accredited programme, providing participants with a proficiency testing method for evaluating laboratory practice to guide and ensure best practice and gold standard results.
Using validated material of consistent quality for a range of challenges, participants can demonstrate their quality and performance to maintain high standards of laboratory practice.

As part of each UK NEQAS CPT assessment, run scores are audited to provide an in-depth feedback to aid in continual improvements within organisations, provide expert help identifying problems and provide access to troubleshooting expertise. Scores range from 0-10 and are based on a number of criteria.

UK NEQAS CPT describes a score of 9 or 10 to show excellent appropriate demonstration of the expected staining results, and a high level of quality.

Atom Scientific are proud to publish the scores their kits have achieved.

Stain Kit	Score	Result Date
Reticulin	10	May 18
Masson Fontana	10	Jan 21
Victoria Blue	10	Dec 20
H&E	10	Apr 21
Luxol Fast Blue	10	2017
ABPAS	10	Oct 20
Congo Red (Highman)	10	Apr 21
Alcian Blue	10	May 19
PAS	10	Apr 21
Perls	10	Sep 19
Cold Kinyoun	10	Jul 19
AFB	10	Dec 19
ZN	10	Dec 19
Perl/VG	10	Apr 21
Gram Twort	10	Jan 22
Gram (Neutral Red)	9	Jul 19
Grocott	9	Dec 20
Orcein for HbSAG	9	May 19
Masson Trichrome	9	Apr 21
Mucicarmine Southgate	9	Apr 21
DPAS	9	Sept 18
EVG (Miller)	9	Dec 20
Weigerts Haematoxylin Van Gieson	9	Apr 21
MSB	8	May 19 & Jun 21

IVDR



Atom Scientific has a stated commitment to offering our customers market leading high quality validated and compliant products and as you may be aware in May 2022 the IVD regulations will be replaced with the new IVDR regulations.

This change will drastically change the market for in-vitro diagnostic products, both for manufacturers and for end user.

The IVDR regulations will require any product that is used in a Medical or Diagnostic application to be registered under IVDR. The ultimate aim of this change is to increase quality and consistency of diagnostic products as well as full traceability through the supply chain for all components.

It is important to note that any product not registered under IVDR will only be permitted for use in research applications, and will not be permitted for us in diagnostic applications as stipulated by UKAS.

Atom Scientific is one of the few companies that will be committing to IVDR compliance, alongside upgrading our Quality Management System to be ISO13485 compliant.

Throughout 2021 and early 2022 our Technical Team will be working hard updating all of our Technical Files to become IVDR compliant ensuring that from June 2022 Atom will be able to meet our customers' requirements for fit for purpose diagnostic products.

Routine Staining

Atom Scientific are able to offer a comprehensive selection of routine and specialist haematoxylin solutions optimised for histology, cytology and immunohistochemistry. With over 50 years of manufacturing experience together with in house QC and participation in the UK NEQAS scheme, Atom Scientific are able to truly set a gold standard in consistent diagnostic interpretation

Haematoxylin

The following haematoxylin solutions use an alum compound such as aluminium potassium sulphate (potash alum) as a mordant. The nuclei will require an alkaline step or blueing reagent to change the colour from a red to a blue-black. These Haematoxylin solutions can be used regressively (over stained and required differentiation) or progressively (understained so that the background is unstained)

Haematoxylin Harris



One of the most common routine alum haematoxylin solutions, this formulation is similar to Delafield's but chemical ripening allows immediate use. It is generally used regressively but can be used progressively in cytology

Code	Pack
RRSP67-D	500ml
RRSP67-E	1L
RRSP67-F	2.5L
RRSP67-G	5L

Haematoxylin Gill (Formula I)



Single Strength Gill I is a progressive alum haematoxylin generally recommended for cytology due to the lower haematoxylin content. This allows for a more controlled staining of chromatin

Code	Pack
RRSP64-D	500ml
RRSP64-E	1L
RRSP64-F	2.5L
RRSP64-G	5L

Haematoxylin Harris Acidified



An acidified version of our Haematoxylin Harris. The Haematoxylin is ripened with acetic acid for enhanced intense nuclear staining

Code	Pack
RRSP68-D	500ml
RRSP68-E	1L
RRSP68-F	2.5L
RRSP68-G	5L

Haematoxylin Gill (Formula II)



Double Strength Gill II is a progressive stain and can be used for either Cytology or Histology. The medium strength haematoxylin content allows for a more controlled staining of chromatin. Also an ideal counterstain for immunohistochemistry

Code	Pack
RRSP65-D	500ml
RRSP65-E	1L
RRSP65-F	2.5L
RRSP65-G	5L

Haemalum Mayer



This formulation may be used progressively and regressively. It does not stain mucopolysaccharides, therefore is commonly used as a counterstain for the demonstration of glycogen

Code	Pack
RRSP60-D	500ml
RRSP60-E	1L
RRSP60-F	2.5L
RRSP60-G	5L

Haematoxylin Gill (Formula III)



Triple Strength Gill III is a progressive stain and mainly used in Histology where a darker nuclear staining is required

Code	Pack
RRSP66-D	500ml
RRSP66-E	1L
RRSP66-F	2.5L
RRSP66-G	5L

Routine Staining

Carazzi Haematoxylin (Double Strength)



A double strength Haematoxylin commonly used in the rapid H&E staining protocol. It selectively stains the nuclear chromatin without affecting the cytoplasmic structure

Code	Pack
RRSP61-D	500ml
RRSP61-E	1L
RRSP61-F	2.5L

Haematoxylin Delafield



A working solution of Haematoxylin Delafield, an alum haematoxylin ideal for nuclear staining

Code	Pack
RRSP62-D	500ml
RRSP62-E	1L
RRSP62-F	2.5L

Haematoxylin Ehrlich



A regressive saturated alum haematoxylin solution requiring differentiation. This haematoxylin will also stain mucopolysaccharides, but the staining process is longer than other haematoxylin solutions, requiring up to 30 minutes

Code	Pack
RRSP63-D	500ml
RRSP63-E	1L
RRSP63-F	2.5L

Coles Haematoxylin



Cole's can be used as a progressive stain and also regressively as a routine stain similar to Ehrlich's haematoxylin with a shorter staining time of about 10 minutes. This haematoxylin contains iodine, which oxidizes haematoxylin to haematein making it possible for solution to be used immediately

Code	Pack
RRSP74-D	500ml
RRSP74-E	1L
RRSP74-F	2.5L

NEW



Bag-In-Box Dispensers
Now Available

See website for other pack sizes

Routine Staining

Eosins

Eosin Y is the most commonly used cytoplasmic stain. It is an acid stain which interacts with cellular proteins rich in basic amino acids, a dye protein complex is formed that is characterised by vivid pink cytoplasmic staining

Eosin Aqueous

A pH adjusted aqueous based solution, prefiltered to be precipitate free, it produces brilliant color contrast between the nuclei and cytoplasm. Available in the following concentrations to enable personal control of the balance between nuclear staining with Haematoxylin and cytoplasmic staining with Eosin

Eosin Y (0.5% Aqueous)

A 0.5% aqueous eosin solution



Code	Pack
RRSP36-D	500ml
RRSP36-E	1L
RRSP36-F	2.5L
RRSP36-G	5L

Eosin Y (1% Aqueous)

A 1% aqueous eosin solution



Code	Pack
RRSP35-D	500ml
RRSP35-E	1L
RRSP35-F	2.5L
RRSP35-G	5L

Eosin Y (2% Aqueous)

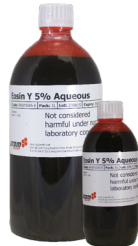
A 2% aqueous eosin solution



Code	Pack
RRSP49-C	250ml
RRSP49-D	500ml
RRSP49-E	1L

Eosin Y (5% Aqueous)

A 5% aqueous eosin solution



Code	Pack
RRSP3505-C	250ml
RRSP3505-D	500ml
RRSP3505-E	1L

Eosin Alcoholic

A pH adjusted alcoholic based solution, prefiltered to be precipitate free, it produces brilliant colour contrast between the nuclei and cytoplasm. Alcoholic Eosin produces three distinct shades of colour to improve the differentiation between muscle, red blood cells and connective tissue. Available at 0.5% and 1% Strength to enable personal control of the balance between nuclear staining and cytoplasmic staining

Eosin Y (0.5% Alcoholic)

A 0.5% alcoholic eosin solution



Code	Pack
RRSP39-D	500ml
RRSP39-E	1L
RRSP39-F	2.5L
RRSP39-G	5L

Eosin Y (1% Alcoholic)

A 1% alcoholic eosin solution



Code	Pack
RRSP37-D	500ml
RRSP37-E	1L
RRSP37-F	2.5L
RRSP37-G	5L

Routine Staining

Eosin Y (Putts)



A working solution of eosin Putts

Code	Pack
RRSP34-D	500ml
RRSP34-E	1L
RRSP34-F	2.5L

Eosin Y with Phloxine



A version of Eosin Y yielding in very rich shades of pink when compared to standard eosin formulations

Code	Pack
RRSP38-D	500ml
RRSP38-E	1L
RRSP38-F	2.5L

NEW



Bag-In-Box Dispensers
Now Available

Routine Staining

Acid Alcohols

When a regressive haematoxylin stain is utilised a differentiation step is required to remove excess haematoxyins from the background. This results in improved cell clarity. Differentiation is performed using an acid alcohol solution and is available in the following concentrations

Acid Alcohol 0.1%

A 0.1% working solution of acid alcohol commonly used as a decolourising agent



Code	Pack
RRSP194-E	1L
RRSP194-F	2.5L
RRSP194-G	5L

Acid Alcohol 0.25%

A 0.25% working solution of acid alcohol commonly used as a decolourising agent



Code	Pack
RRSP457-E	1L
RRSP457-F	2.5L
RRSP457-G	5L

Acid Alcohol 0.3%

A 0.3% working solution of acid alcohol commonly used as a decolourising agent



Code	Pack
RRSP159-E	1L
RRSP159-F	2.5L
RRSP159-G	5L

Acid Alcohol 0.5%

A 0.5% working solution of acid alcohol commonly used as a decolourising agent



Code	Pack
RRSP186-E	1L
RRSP186-F	2.5L
RRSP186-G	5L

Acid Alcohol 1%

A 1% working solution of acid alcohol commonly used as a decolourising agent



Code	Pack
RRSP187-E	1L
RRSP187-F	2.5L
RRSP187-G	5L

Acid Alcohol 3%

A 3% working solution of acid alcohol commonly used as a decolourising agent



Code	Pack
RRSP3606-E	1L
RRSP3606-F	2.5L
RRSP3606-G	5L

Routine Staining

Blueing Reagent

Haematoxylin stained tissues often require an alkaline or blueing step. Scotts Tap Water provides a rapid and precise blueing of nuclear chromatin and nuclear membranes, whilst also delivering decreased loss of adherence of tissue sections from glass slides. Available in Ready to Use or Concentrate solutions

Scotts Tap Water Substitute (10 x Concentrate)

20 x concentrated version of RRSP192



Code	Pack
RRSP190-D	500ml
RRSP190-E	1L
RRSP190-F	2.5L
RRSP190-G	5L

Scotts Tap water Substitute Ready to use

Ready to use Scott's Tap Water substitute made with Magnesium Sulphate



Code	Pack
RRSP192-D	500ml
RRSP192-E	1L
RRSP192-F	2.5L
RRSP192-G	5L

Scotts Tap Water Plus (Ready to Use)

Ready to use Scott's Tap Water substitute made with Sodium Sulphate

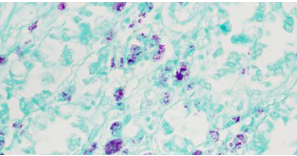


Code	Pack
RRSP195-D	500ml
RRSP195-E	1L
RRSP195-F	2.5L
RRSP195-G	5L

Special Staining



10/10
UK
NEQAS



AFB Stain Kit (Light Green Counterstain)

This stain kit is used for the staining of Mycobacterium Tuberculosis and other acid fast organisms in tissue sections and smears. The walls of Mycobacteria are not readily penetrated so phenol is mixed with the basic fuchsin to overcome this. No heat is required for this method

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK41	AFB Light Green	Δ	Δ	Δ	Δ

Kit Components

Carbol Fuchsin Kinyoun
TB Differentiator x 2
Light Green 0.5% Aqueous

Carbol Fuchsin Kinyoun



Contains:
Denatured Ethanol: <20%
Phenol: <10%

Code	Pack
RRSP19-D	500ml
RRSP19-E	1L
RRSP19-F	2.5L

TB Differentiator



Contains:
Denatured Ethanol: >97%
Hydrochloric Acid: <3%

Code	Pack
RRSP145-D	500ml
RRSP145-E	1L
RRSP145-F	2.5L

Light Green 0.5% Aqueous



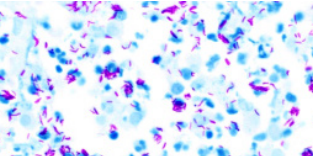
Contains:
Light Green SF: <0.5%

Code	Pack
RRSP245-D	500ml
RRSP245-E	1L
RRSP245-F	2.5L

Special Staining



10/10
UK
NEQAS



AFB Stain Kit (Methylene Blue Counterstain)

This stain kit is used for the staining of Mycobacterium Tuberculosis and other acid fast organisms in tissue sections and smears. The walls of Mycobacteria are not readily penetrated so phenol is mixed with the basic fuchsin to overcome this. No heat is required for this method

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK42	AFB Methylene Blue	Δ	Δ	Δ	Δ

Kit Components

Carbol Fuchsin Kinyoun
TB Differentiator x 2
Methylene Blue AFB

Carbol Fuchsin Kinyoun



Contains:
Denatured Ethanol: <20%
Phenol: <10%

Code	Pack
RRSP19-D	500ml
RRSP19-E	1L
RRSP19-F	2.5L

TB Differentiator



Contains:
Denatured Ethanol: >97%
Hydrochloric Acid: <3%

Code	Pack
RRSP145-D	500ml
RRSP145-E	1L
RRSP145-F	2.5L

Methylene Blue Solution (AFB)



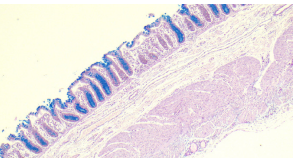
Contains:
Denatured Ethanol: <30%
Methylene Blue
Potassium Hydroxide <1%

Code	Pack
RRSP1789-D	500ml
RRSP1789-E	1L
RRSP1789-F	2.5L

Special Staining



10/10
UK
NEQAS



Alcian Blue PAS Stain Kit

This stain kit is used for the staining of sulphated and carboxylated acid mucopolysaccharides, and for carbohydrate radicles (e.g. glycogen). The alcian blue and PAS technique combines to differentiate neutral mucins from acidic mucins. It is used as a broad spectrum stain for mucins, a lack of staining with the combined PAS stage indicates the substance is not mucin

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK6	Alcian Blue PAS	Δ	Δ	Δ	Δ

Kit Components

Periodic Acid Solution 1%	Alcian Blue 1% in 3% Acetic Acid (pH 2.5)
Haemalum Mayer	
Schiff Reagents (Feulgen)	

Periodic Acid (1% Aqueous)



Contains:
Periodic Acid : 1%

Code	Pack
RRSP124-D	500ml
RRSP124-E	1L
RRSP124-F	2.5L

Haemalum Mayer



Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP60-E	1L
RRSP60-F	2.5L

Feulgen Stain (Schiff)



Contains:
Sodium Metabisulphite:
<1%
Hydrochloric Acid: <2%

Code	Pack
RRSP40-D	500ml
RRSP40-E	1L
RRSP40-F	2.5L

Alcian Blue 8GX (1% in 3% Acetic Acid) pH 2.5



Contains:
Alcian Blue 8GX: <1%
Acetic Acid: <3%

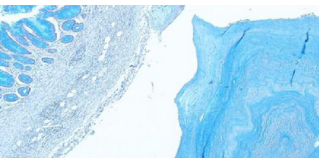
Code	Pack
RRSP4-D	500ml
RRSP4-E	1L
RRSP4-F	2.5L

Special Staining

Alcian Blue Stain Kit pH 1.0

This stain kit is used for the staining of sulfomucins and sulphate containing proteoglycans. Tissues that exhibit this staining include cartilage, goblet cell mucins of the large intestine and mucins of the bronchial serous glands

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK300	Alcian Blue (pH 1.0)	Δ	Δ	Δ	Δ



Kit Components

Alcian Blue 8GX 1% in 0.1N in HCL
Haemalum Mayer

Alcian Blue 8GX (1% in 0.1N HCL) pH 1.0



Contains:
Alcian Blue 8GX: 1%
Hydrochloric Acid: <1%

Code	Pack
RRSP193-D	500ml
RRSP193-E	1L
RRSP193-F	2.5L

Haemalum Mayer



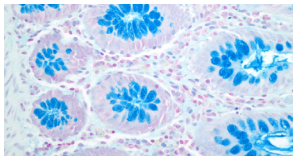
Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP60-E	1L
RRSP60-F	2.5L

Special Staining



10/10
UK
NEQAS



Alcian Blue Stain Kit (pH 2.5)

This stain kit is a broad spectrum stain for mucins. It demonstrates sialomucins, sulfomucins and proteoglycans. Alcian Blue has been demonstrated to bind and precipitate hyaluronic acid, chondroitin sulphate and heparin from an aqueous solution, but does not precipitate glycogen hence is glycogen negative unlike PAS which is positive

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK400	Alcian Blue	Δ	Δ	Δ	Δ

Kit Components

Alcian Blue 8GX 1% in 3% Acetic Acid
Neutral Red 0.1% Aqueous
Acetic Acid 3% Solution

Alcian Blue 8GX (1% in 3% Acetic Acid) pH 2.5



Contains:
Alcian Blue 8GX: <1%
Acetic Acid: <3%

Code	Pack
RRSP4-D	500ml
RRSP4-E	1L
RRSP4-F	2.5L

Neutral Red 0.1%



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L

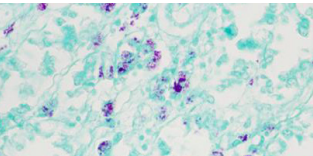
Acetic Acid 3% Solution



Contains:
Acetic Acid: <3%

Code	Pack
RRSP247-D	500ml
RRSP247-E	1L
RRSP247-F	2.5L

Special Staining



Cold Kinyoun Stain Kit (Malachite Green Counterstain)

This stain kit is used for the staining of Mycobacterium Tuberculosis and other acid fast organisms in tissue sections and smears. The walls of Mycobacteria are not readily penetrated so phenol is mixed with the basic fuchsin to overcome this. No heat is required for this method

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK7	Malachite Green	Δ	Δ	Δ	Δ

Kit Components

Carbol Fuchsin Kinyoun
TB Differentiator x 2
Malachite Green 0.5% Aqueous

Carbol Fuchsin Kinyoun



Contains:
Denatured Ethanol: <20%
Phenol: <10%

Code	Pack
RRSP19-D	500ml
RRSP19-E	1L
RRSP19-F	2.5L

TB Differentiator



Contains:
Denatured Ethanol: >97%
Hydrochloric Acid: <3%

Code	Pack
RRSP145-D	500ml
RRSP145-E	1L
RRSP145-F	2.5L

Malachite Green (0.5% Aqueous)



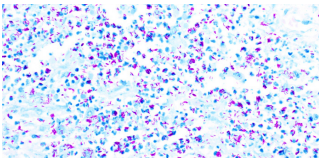
Contains:
Denatured Ethanol: <5%
Malachite Green: <1%

Code	Pack
RRSP86-D	500ml
RRSP86-E	1L
RRSP86-F	2.5L

Special Staining



10/10
UK
NEQAS



Cold Kinyoun Stain Kit (Methylene Blue Counterstain)

This stain kit is used for the staining of Mycobacterium Tuberculosis and other acid fast organisms in tissue sections and smears. The walls of Mycobacteria are not readily penetrated so phenol is mixed with the basic fuchsin to overcome this. No heat is required for this method

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK8	Methylene Blue	Δ	Δ	Δ	Δ

Kit Components

Carbol Fuchsin Kinyoun
TB Differentiator x 2
Methylene Blue (AFB)

Carbol Fuchsin Kinyoun



Contains:
Denatured Ethanol: <20%
Phenol: <10%

Code	Pack
RRSP19-D	500ml
RRSP19-E	1L
RRSP19-F	2.5L

TB Differentiator



Contains:
Denatured Ethanol: >97%
Hydrochloric Acid: <3%

Code	Pack
RRSP145-D	500ml
RRSP145-E	1L
RRSP145-F	2.5L

Methylene Blue Solution (AFB)



Contains:
Denatured Ethanol: <30%
Methylene Blue
Potassium Hydroxide <1%

Code	Pack
RRSP1789-D	500ml
RRSP1789-E	1L
RRSP1789-F	2.5L

Special Staining



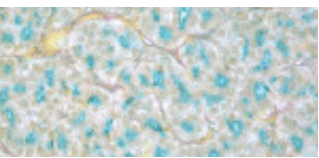
Colloidal Iron Stain Kit (Muller)

This stain kit is used for the detection of acid mucopolysaccharides and is based upon the attraction of ferric cations in a colloidal ferric oxide solution for the negatively charged carboxyl and sulfate groups of acid mucins and proteoglycans. The tissue bound ferric ions are visualised by treatment with potassium ferrocyanide to form bright blue deposits of ferric ferrocyanide or prussian blue

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK100	Colloidal Iron (Muller)	Δ	Δ	Δ	Δ

Kit Components

Ferric Chloride 29% aqueous solution	Colloidal Perls Reagent B (5% Potassium Ferrocyanide)
Acetic Acid 25% aqueous solution	Neutral Red 0.5% Aqueous Solution
Colloidal Perls Reagent A (5% Hydrochloric Acid)	



Ferric Chloride 29% Solution



Contains:
Ferric Chloride: >29% w/v

Code	Pack
RRSP512-D	500ml
RRSP512-E	1L
RRSP512-F	2.5L

Acetic Acid 25% Solution



Contains:
Acetic Acid: 25%

Code	Pack
RRSP513-D	500ml
RRSP513-E	1L
RRSP513-F	2.5L

Colloidal Perls Reagent A



Contains:
Hydrochloric Acid: <2%

Code	Pack
RRSP249-D	500ml
RRSP249-E	1L
RRSP249-F	2.5L

Colloidal Perls Reagent B



Contains:
Potassium Ferrocyanide:
<1%

Code	Pack
RRSP250-D	500ml
RRSP250-E	1L
RRSP250-F	2.5L

Neutral Red (0.5% Aqueous)



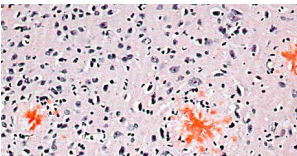
Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP109-D	500ml
RRSP109-E	1L
RRSP109-F	2.5L

Special Staining



10/10
UK
NEQAS



Congo Red Stain Kit (Highman)

This stain kit is used for the detection of Amyloid Protein in tissue sections. The use of alkaline alcoholic solvents has the effect of supressing staining of other tissue components whilst enhancing hydrogen bonding hence improving selectivity for amyloid. This method has stable solutions and has a high degree of selectivity

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK10	Congo Red (Highman)	Δ	Δ	Δ	Δ

Kit Components

Congo Red in 50% ethanol	Alcian Blue 1% in 3% Acetic Acid (pH 2.5)
Haemalum Mayer	
Potassium Hydroxide 0.2% in 80% Ethanol	

Congo Red in 50% Ethanol (Highman)



Contains:
Denatured Ethanol: <50%

Code	Pack
RRSP180-D	500ml
RRSP180-E	1L
RRSP180-F	2.5L

Haemalum Mayer



Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP60-E	1L
RRSP60-F	2.5L

Potassium Hydroxide 0.2% in 80% Ethanol



Contains:
Denatured Ethanol: <80%
Potassium Hydroxide: <1%

Code	Pack
RRSP181-D	500ml
RRSP181-E	1L
RRSP1789-F	2.5L

Alcian Blue 8GX (1% in 3% Acetic Acid) pH 2.5



Contains:
Alcian Blue 8GX: <1%
Acetic Acid: <3%

Code	Pack
RRSP4-D	500ml
RRSP4-E	1L
RRSP4-F	2.5L

Special Staining



Congo Red Stain Kit (Puchtler & Sweat)

This stain kit is used for the detection of Amyloid Protein in tissue sections. This method removes the need for a differentiation step with the use of a highly concentrated sodium chloride solution which reduces background staining whilst enhancing hydrogen bonding of Congo Red to Amyloid resulting in a progressive staining and highly selective technique

		100 Test	200 Test
Code	Kit Extension:	- 100	-200
RRSK9	Congo Red (Puchtler & Sweat)	Δ	Δ

Kit Components

Saturated Sodium Chloride Alcoholic Solution	Sodium Hydroxide 1% Aqueous Solution x 5
Congo Red in 80% Ethanol Saturated x 5	
Haemalum Mayer	

Saturated Sodium Chloride Alcoholic



Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP178-D	500ml
RRSP178-E	1L
RRSP178-F	2.5L

Congo Red in 80% Ethanol Saturated



Contains:
Denatured Ethanol: 80%
Sodium Chloride: <1%
Congo Red: <2%

Code	Pack
RRSP155-D	500ml
RRSP155-E	1L
RRSP155-F	2.5L

Haemalum Mayer



Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP60-E	1L
RRSP60-F	2.5L

Sodium Hydroxide Solution 1%



Contains:
Sodium Hydroxide: <1%

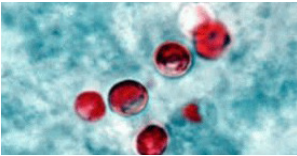
Code	Pack
RRSP179-D	500ml
RRSP179-E	1L
RRSP179-F	2.5L

Special Staining

Cryptosporidium Stain Kit

This stain kit is commonly used for staining oocysts of the Cryptosporidium species in fecal smears. It is also useful to confirm the presence of oocysts of Isospora belli and Cyclospora cayetanensis

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK75	Cryptosporidium	Δ	Δ	Δ	Δ



Kit Components

Cryptosporidium Fixative	Malachite Green 0.5% Aqueous
Carbol Fuchsin Kinyoun	
TB Differentiator x 2	

Cryptosporidium Fixative



Contains:
Methanol: >99%

Code	Pack
RRSP163-D	500ml
RRSP163-E	1L
RRSP163-F	2.5L

Carbol Fuchsin Kinyoun



Contains:
Denatured Ethanol: <20%
Phenol: <10%

Code	Pack
RRSP19-D	500ml
RRSP19-E	1L
RRSP19-F	2.5L

TB Differentiator



Contains:
Denatured Ethanol: >97%
Hydrochloric Acid: <3%

Code	Pack
RRSP145-D	500ml
RRSP145-E	1L
RRSP145-F	2.5L

Malachite Green (0.5% Aqueous)



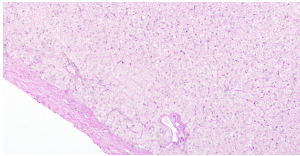
Contains:
Denatured Ethanol: <5%
Malachite Green: <1%

Code	Pack
RRSP86-D	500ml
RRSP86-E	1L
RRSP86-F	2.5L

Special Staining

DPAS Stain Kit

This stain kit is used to differentiate glycogen from other PAS-positive elements in tissue sections. Glycogen is removed by enzyme digestion. It is often used in conjunction with the PAS kit



Kit Components

Lipase from porcine pancreas	Schiff reagents (Feulgen)
Periodic Acid Solution 1%	
Haematoxylin Harris	

Lipase from Porcine Pancreas



This enzyme is suitable for the digestion step in the DPAS method.
Typical working concentration 1%

Code	Pack
A01831-T	5gm
A01831-U	10gm
A01831-W	25gm

Periodic Acid (1% Aqueous)



Contains:
Periodic Acid : 1%

Code	Pack
RRSP124-D	500ml
RRSP124-E	1L
RRSP124-F	2.5L

Haematoxylin Harris



Contains:
Denatured Ethanol: <10%
Sodium Iodate: <1%

Code	Pack
RRSP67-D	500ml
RRSP67-E	1L
RRSP67-F	2.5L

Feulgen Stain (Schiff)



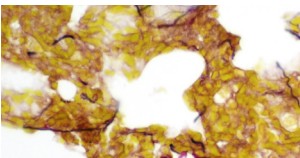
Contains:
Sodium Metabisulphite: <1%
Hydrochloric Acid: <2%

Code	Pack
RRSP40-D	500ml
RRSP40-E	1L
RRSP40-F	2.5L

Special Staining



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Elastic Van Gieson Stain Kit (Miller) (EVG)

This stain kit uses a combined technique to demonstrate elastic fibres, collagen and muscle. Elastic fibres, especially fine fibres will stain intensely blue with the Miller stain. Elastin and pre elastin fibres are highly cross linked disulphide bridges which require oxidation with potassium permanganate followed by a bleach with oxalic acid

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK11	Elastic Van Gieson (Miller) (EVG)	Δ	Δ	Δ	Δ

Kit Components

Potassium Permanganate 0.5% Solution x 2	Millers Elastin Stain
Sulphuric Acid 3% Solution	Van Gieson Extra Stain
Oxalic Acid 1% Solution	

Potassium Permanganate (0.5% Aqueous)



Contains:
Potassium Permanganate:
<1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Sulphuric Acid 3% Aqueous Solution



Contains:
Sulphuric Acid: <3%

Code	Pack
RRSP141-D	500ml
RRSP141-E	1L
RRSP141-F	2.5L

Oxalic Acid 1% Solution



Contains:
Oxalic Acid: <1%

Code	Pack
RRSP166-D	500ml
RRSP166-E	1L
RRSP166-F	2.5L

Elastic Stain (Miller)

Contains:
Denatured Ethanol: <50%
Ferric Chloride: <1%
Hydrochloric Acid: <1%
Resorcinol: <1%

Code	Pack
RRSP31-D	500ml
RRSP31-E	1L
RRSP31-F	2.5L

Van Gieson Extra



Contains:
Picric Acid: <2.5%

Code	Pack
RRSP539-D	500ml
RRSP539-E	1L
RRSP539-F	2.5L

Special Staining



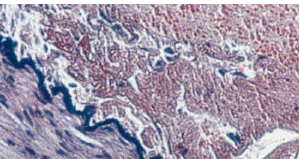
Elastic Van Gieson Stain Kit (Verhoeffs) (EVG)

This stain kit is useful in demonstrating elastic fibres, collagen and muscle. Elastin has a high affinity for the iron-haematoxylin stain and hence will retain the dye longer than other tissue components which will be decolourised by the differentiation

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK40	Elastic Van Gieson (Verhoeffs) (EVG)	Δ	Δ	Δ	Δ

Kit Components

Haematoxylin 5% alcoholic	Lugols Iodine
Ferric Chloride 10% solution x 3	Sodium Thiosulphate 5% Solution
Van Gieson Extra	



Haematoxylin 5% Alcoholic Solution (For Verhoeffs)



Contains:
Denatured Ethanol: >95%
Haematoxylin: 5%

Code	Pack
RRSP182-D	500ml
RRSP182-E	1L
RRSP182-F	2.5L

Ferric Chloride 10% Soluton



Contains:
Ferric Chloride: <10% w/v

Code	Pack
RRSP517-D	500ml
RRSP517-E	1L
RRSP517-F	2.5L

Van Gieson Extra



Contains:
Picric Acid: <2.5%

Code	Pack
RRSP539-D	500ml
RRSP539-E	1L
RRSP539-F	2.5L

Lugols Iodine Solution (For Microscopy)



Contains:
Potassium Iodide: <2%
Iodine: <1%

Code	Pack
RRSP84-D	500ml
RRSP84-E	1L
RRSP84-F	2.5L

Sodium Thiosulphate 5% Solution



Contains:
Sodium Thiosulphate: <5%

Code	Pack
RRSP176-D	500ml
RRSP176-E	1L
RRSP176-F	2.5L

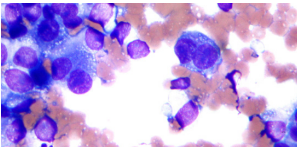
Special Staining



Fields Stain Kit

This stain kit is used for the detection of malarial parasites in blood films. Fields Stain is one of the original Romanowsky stains using methylene blue in a weak solution of eosin. With some modifications it can be used fairly satisfactorily for the rapid staining of thin blood films

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK25	Fields Stain Kit	Δ	Δ	Δ	Δ



Kit Components

Fields Stain A (Aqueous Methylene Blue Solution A)
Fields Stain B (Aqueous Eosin Y Solution B)
Sorensens Buffer 200 x Concentrate pH 6.8 25ml to make 5L

Fields Stain - Solution A



Contains:
Methylene Blue
Azur I
Mixed Phosphates

Code	Pack
RRSP41-D	500ml
RRSP41-E	1L
RRSP41-F	2.5L

Fields Stain - Solution B



Contains:
Eosin Y
Mixed Phosphates

Code	Pack
RRSP51-D	500ml
RRSP51-E	1L
RRSP51-F	2.5L

Sorensens Buffer 200 x Concentrate pH 6.8 25ml to make 5L



Contains:
Mixed Phosphates
Dilute to 5000ml with
Distilled Water for Use

Code	Pack
RRPBS2-10	10 x 25ml
RRPBS2-25	25 x 25ml
RRPBS2-250	250 x 25ml

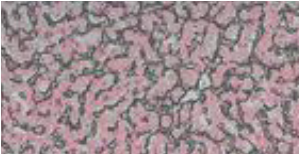
Special Staining



Gomori Reticulin Stain Kit

This stain kit is a metal impregnation technique used to demonstrate reticulin fibres providing contrast which enables even the finest of fibres to be seen

		100 Test	200 Test
Code	Kit Extension:	- 100	-200
RRSK800	Gomori Reticulin	Δ	Δ



Kit Components

Potassium Hydroxide 10%	Formaldehyde 10% Solution (unbuffered)
Ammonia 33% Solution	Gold Chloride 0.2% Solution
Silver Nitrate 10% Solution x 2	Oxalic Acid 1% Solution
Potassium Permanganate 0.5% Solution x 2	Sodium Thiosulphate 2% Solution
Ferric Ammonium Sulphate 2% Solution (iron Alum)	Van Gieson Stain
Potassium Metabisulphite 2% Solution	Sulphuric Acid 3% Solution

Potassium Hydroxide 10% Solution



Contains:
Potassium Hydroxide: <10%

Code	Pack
RRSP125-D	500ml
RRSP125-E	1L
RRSP125-F	2.5L

Ammonia Solution 33%



Minimum Assay (As NH3):
33.0-34.0%
Molecular Formula: NH4OH

Code	Pack
GPC9001-D	500ml
GPC9001-E	1L
GPC9001-F	2.5L

Silver Nitrate 10% Solution



Contains:
Silver Nitrate: <10%

Code	Pack
RRSP173-B	100ml
RRSP173-C	250ml
RRSP173-D	500ml

Potassium Permanganate 0.5% Solution



Contains:
Potassium Permanganate:
<1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Ferric Ammonium Sulphate 2.5% (Iron Alum)



Contains:
Ferric Ammonium Sulphate:
<2%

Code	Pack
RRSP501-D	500ml
RRSP501-E	1L
RRSP501-F	2.5L

Potassium Metabisulphite 2% Aqueous



Contains:
Potassium Disulphite: <2%

Code	Pack
RRSP400-D	500ml
RRSP400-E	1L
RRSP400-F	2.5L

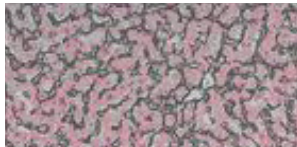
Special Staining



Gomori Reticulin Stain Kit

Kit Components Continued...

Potassium Hydroxide 10%	Formaldehyde 10% Solution (unbuffered)
Ammonia 33% Solution	Gold Chloride 0.2% Solution
Silver Nitrate 10% Solution x 2	Oxalic Acid 1% Solution
Potassium Permanganate 0.5% Solution x 2	Sodium Thiosulphate 2% Solution
Ferric Ammonium Sulphate 2% Solution (iron Alum)	Van Gieson Stain
Potassium Metabisulphite 2% Solution	Sulphuric Acid 3% Solution



Formaldehyde 10% Solution unbuffered



Contains:
Formaldehyde: <10%
(unbuffered)

Code	Pack
RRSP505-D	500ml
RRSP505-E	1L
RRSP505-F	2.5L

Oxalic Acid 1% Solution



Contains:
Oxalic Acid: <1%

Code	Pack
RRSP166-D	500ml
RRSP166-E	1L
RRSP166-F	2.5L

Gold Chloride 0.2% Aqueous Solution



Contains:
Gold Chloride: 0.2%

Code	Pack
RRSP511-B	100ml
RRSP511-C	250ml
RRSP511-D	500ml

Sodium Thiosulphate 2% Aqueous



Contains:
Sodium Thiosulphate: <2%

Code	Pack
RRSP43-D	500ml
RRSP43-E	1L
RRSP43-F	2.5L

Van Gieson Stain



Contains:
Picric Acid: <1%

Code	Pack
RRSP152-D	500ml
RRSP152-E	1L
RRSP152-F	2.5L

Sulphuric Acid 3% Aqueous Solution



Contains;
Acetic Acid: 25%

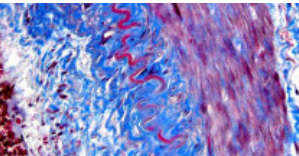
Code	Pack
RRSP141-D	500ml
RRSP141-E	1L
RRSP141-F	2.5L

Special Staining

Gomori Trichrome Stain Kit

This stain kit is used in the demonstration of connective tissue. It is a one step trichrome stain and can be used to differentiate between collagen and smooth muscle fibres

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK70	Gomori Trichrome	Δ	Δ	Δ	Δ



Kit Components

Bouins saturated aqueous Solution	Acid Alcohol 0.5% Solution
Haematoxylin Weigerts A	Gomori Stain
Haematoxylin Weigerts B	Glacial Acetic Acid 0.5% Aqueous

Bouins Fixative



Contains:
Picric Acid: <5%
Formaldehyde: <25%
Acetic Acid: <1%

Code	Pack
RRFF5010-D	500ml
RRFF5010-E	1L
RRFF5010-F	2.5L

Haematoxylin Weigerts A



Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP72-D	500ml
RRSP72-E	1L
RRSP72-F	2.5L

Haematoxylin Weigerts B



Contains:
Hydrochloric Acid: <1%
Ferric Chloride: <1%

Code	Pack
RRSP73-D	500ml
RRSP73-E	1L
RRSP73-F	2.5L

Acid Alcohol 0.5%



Contains:
Denatured Ethanol: >99%
Hydrochloric Acid: <1%

Code	Pack
RRSP186-D	500ml
RRSP186-E	1L
RRSP186-F	2.5L
RRSP186-3E-B	3L Dispenser
RRSP186-G	5L
RRSP186-G-B	5L Dispenser

Gomori Trichrome Stain

Contains:
Acetic Acid: <1%
Phosphotungstic Acid: <1%

Code	Pack
RRSP189-D	500ml
RRSP189-E	1L
RRSP189-F	2.5L

Acetic Acid 0.5% Solution



Contains:
Acetic Acid: <1%

Code	Pack
RRSP191-D	500ml
RRSP191-E	1L
RRSP191-F	2.5L

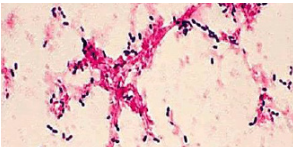
Special Staining



Gram Stain Kit (Gram Fuchsin Counterstain)

This stain kit is used to demonstrate Gram Positive and Gram Negative Micro-organisms. The main principle of the technique is the increased thickness, chemical composition and functional integrity of the cell walls of gram positive bacteria, which when they die become gram negative

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK3	Gram Fuchsin Counterstain	Δ	Δ	Δ	Δ



Kit Components

Crystal Violet (0.5% Aqueous)	Gram Fuchsin (Carbol Fuchsin)
Grams Iodine	
Gram Differentiator x 2	

Crystal Violet 0.5% Aqueous



Contains:
Denatured Ethanol: <10%
Crystal Violet Powder: <1%

Code	Pack
RRSP23-D	500ml
RRSP23-E	1L
RRSP23-F	2.5L
RRSP23-3E-B	3L Dispenser
RRSP23-G	5L
RRSP23-G-B	5L Dispenser

Grams Iodine



Contains:
Iodine: <3%
Potassium Iodide: <6%

Code	Pack
RRSP59-D	500ml
RRSP59-E	1L
RRSP59-F	2.5L
RRSP59-3E-B	3L Dispenser
RRSP59-G	5L
RRSP59-G-B	5L Dispenser

Gram Differentiator



Contains:
Isopropanol: <70%
Acetone: <30%

Code	Pack
RRSP57-D	500ml
RRSP57-E	1L
RRSP57-F	2.5L
RRSP57-G	5L

Carbol Fuchsin (Gram)



Contains:
Denatured Ethanol: <10%
Basic Fuchsin

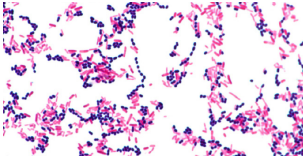
Code	Pack
RRSP16-D	500ml
RRSP16-E	1L
RRSP16-F	2.5L
RRSP16-3E-B	3L Dispenser
RRSP16-G	5L
RRSP16-G-B	5L Dispenser

Special Staining

Gram Stain Kit (Hucker & Conn)

This stain kit is used to demonstrate Gram Positive and Gram Negative Micro-organisms. The main principle of the technique is the increased thickness, chemical composition and functional integrity of the cell walls of gram positive bacteria, which when they die become gram negative

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK200	Hucker & Conn	Δ	Δ	Δ	Δ



Kit Components

Crystal Violet Hucker & Conn	Safranin 0.5% aqueous
Grams Iodine	
Gram Differentiator x 2	

Crystal Violet Oxalate (Hucker & Conn)



Contains:
Denatured Ethanol: <10%

Code	Pack
RRSP26-D	500ml
RRSP26-E	1L
RRSP26-F	2.5L
RRSP26-3E-B	3L Dispenser
RRSP26-G	5L
RRSP26-G-B	5L Dispenser

Grams Iodine



Contains:
Iodine: <3%
Potassium Iodide: <6%

Code	Pack
RRSP59-D	500ml
RRSP59-E	1L
RRSP59-F	2.5L
RRSP59-3E-B	3L Dispenser
RRSP59-G	5L
RRSP59-G-B	5L Dispenser

Gram Differentiator



Contains:
Isopropanol: <70%
Acetone: <30%

Code	Pack
RRSP57-D	500ml
RRSP57-E	1L
RRSP57-F	2.5L
RRSP57-G	5L

Safranin 0.5% Aqueous



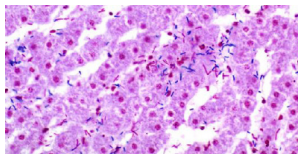
Contains:
Denatured Ethanol: <10%

Code	Pack
RRSP169-D	500ml
RRSP169-E	1L
RRSP169-F	2.5L
RRSP169-3E-B	3L Dispenser
RRSP169-G	5L
RRSP169-G-B	5L Dispenser

Special Staining



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Gram Stain Kit (Neutral Red Counterstain)

This stain kit is used to demonstrate Gram Positive and Gram Negative Micro-organisms. The main principle of the technique is the increased thickness, chemical composition and functional integrity of the cell walls of gram positive bacteria, which when they die become gram negative

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK5	Neutral Red	Δ	Δ	Δ	Δ

Kit Components

Crystal Violet (0.5% Aqueous)	Neutral Red (0.5% solution)
Grams Iodine	
Gram Differentiator x 2	

Crystal Violet 0.5% Aqueous



Contains:
Denatured Ethanol: <10%
Crystal Violet Powder: <1%

Code	Pack
RRSP23-D	500ml
RRSP23-E	1L
RRSP23-F	2.5L
RRSP23-3E-B	3L Dispenser
RRSP23-G	5L
RRSP23-G-B	5L Dispenser

Grams Iodine



Contains:
Iodine: <3%
Potassium Iodide: <6%

Code	Pack
RRSP59-D	500ml
RRSP59-E	1L
RRSP59-F	2.5L
RRSP59-3E-B	3L Dispenser
RRSP59-G	5L
RRSP59-G-B	5L Dispenser

Gram Differentiator



Contains:
Isopropanol: <70%
Acetone: <30%

Code	Pack
RRSP57-D	500ml
RRSP57-E	1L
RRSP57-F	2.5L
RRSP57-G	5L

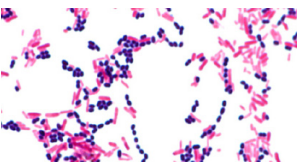
Neutral Red (0.5% Aqueous)



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP109-D	500ml
RRSP109-E	1L
RRSP109-F	2.5L
RRSP109-3E-B	3L Dispenser
RRSP109-G	5L
RRSP109-G-B	5L Dispenser

Special Staining



Gram Stain Kit (Safranin Counterstain)

This stain kit is used to demonstrate Gram Positive and Gram Negative micro-organisms. The main principle of the technique is the increased thickness, chemical composition and functional integrity of the cell walls of Gram positive bacteria, which when they die become gram negative

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK4	Safranin Counterstain	Δ	Δ	Δ	Δ

Kit Components

Crystal Violet (0.5% Aqueous)	Safranin (0.5% Aqueous)
Grams Iodine	
Gram Differentiator x 2	

Crystal Violet 0.5% Aqueous



Contains:
Denatured Ethanol: <10%
Crystal Violet Powder: <1%

Code	Pack
RRSP23-D	500ml
RRSP23-E	1L
RRSP23-F	2.5L
RRSP23-3E-B	3L Dispenser
RRSP23-G	5L
RRSP23-G-B	5L Dispenser

Grams Iodine



Contains:
Iodine: <3%
Potassium Iodide: <6%

Code	Pack
RRSP59-D	500ml
RRSP59-E	1L
RRSP59-F	2.5L
RRSP59-3E-B	3L Dispenser
RRSP59-G	5L
RRSP59-G-B	5L Dispenser

Gram Differentiator



Contains:
Isopropanol: <70%
Acetone: <30%

Code	Pack
RRSP57-D	500ml
RRSP57-E	1L
RRSP57-F	2.5L
RRSP57-G	5L

Safranin 0.5% Aqueous



Contains:
Denatured Ethanol: <10%

Code	Pack
RRSP169-D	500ml
RRSP169-E	1L
RRSP169-F	2.5L
RRSP169-3E-B	3L Dispenser
RRSP169-G	5L
RRSP169-G-B	5L Dispenser

Special Staining



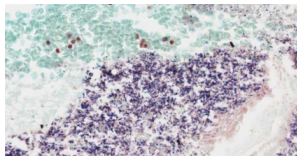
Gram Stain Kit (Twort Counterstain)

This stain kit is used to demonstrate Gram Positive and Gram Negative Micro-organisms. The main principle of the technique is the increased thickness, chemical composition and functional integrity of the cell walls of gram positive bacteria, which when they die become gram negative

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK45	Twort Counterstain	Δ	Δ	Δ	Δ

Kit Components

Crystal Violet (0.5% Aqueous)	Twort Solution A (0.2% Neutral Red in IMS)
Grams Iodine	Twort Solution B (0.2% Fast Green in IMS)
Gram Differentiator x 2	



Crystal Violet 0.5% Aqueous



Contains:
Denatured Ethanol: <10%
Crystal Violet Powder: <1%

Code	Pack
RRSP23-D	500ml
RRSP23-E	1L
RRSP23-F	2.5L
RRSP23-3E-B	3L Dispenser
RRSP23-G	5L
RRSP23-G-B	5L Dispenser

Grams Iodine



Contains:
Iodine: <3%
Potassium Iodide: <6%

Code	Pack
RRSP59-D	500ml
RRSP59-E	1L
RRSP59-F	2.5L
RRSP59-3E-B	3L Dispenser
RRSP59-G	5L
RRSP59-G-B	5L Dispenser

Gram Differentiator



Contains:
Isopropanol: <70%
Acetone: <30%

Code	Pack
RRSP57-D	500ml
RRSP57-E	1L
RRSP57-F	2.5L
RRSP57-G	5L

Twort Stain Solution A



Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP233-D	500ml
RRSP233-E	1L
RRSP233-F	2.5L
RRSP233-3E-B	3L Dispenser
RRSP233-G	5L
RRSP233-G-B	5L Dispenser

Twort Stain Solution B



Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP234-D	500ml
RRSP234-E	1L
RRSP234-F	2.5L
RRSP234-3E-B	3L Dispenser
RRSP234-G	5L
RRSP234-G-B	5L Dispenser

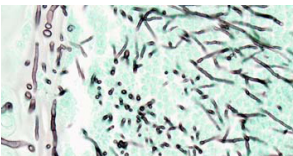
Special Staining



Grocott Stain Kit

This stain kit is used to demonstrate fungi, basement membrane and some other organisms (e.g. Pneumocystis Carinii and histoplasma)

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		100 Test	200 Test
Code	Kit Extension:	- 100	-200
RRSK80	Grocotts	Δ	Δ

Kit Components

Chromic Acid 5% Solution x 2	Sodium Metabisulphite 1% Solution
Hexamine (Methanamine) 3% Solution x 2	Gold Chloride 0.1% Solution
Silver Nitrate 5% Solution	Sodium Thiosulphate 2% Solution
Sodium Tetraborate 5% Solution x 2	Light Green (0.2% in 0.2% Acetic Acid)

Chromic Acid Solution 5% Aqueous



Contains:
Chromic Acid: <5%

Code	Pack
RRSP7-D	500ml
RRSP7-E	1L
RRSP7-F	2.5L

Hexamine 3% Solution (For Grocotts)



Contains:
Hexamethylenetetramine: <3%

Code	Pack
RRSP45-D	500ml
RRSP45-E	1L
RRSP45-F	2.5L

Silver Nitrate 5% Solution



Contains:
Silver Nitrate: <5%

Code	Pack
RRSP44-B	100ml
RRSP44-C	250ml
RRSP44-D	500ml

Sodium Tetraborate (Borax) 5% Solution



Contains:
Sodium Tetraborate: <5%

Code	Pack
RRSP522-D	500ml
RRSP522-E	1L
RRSP522-F	2.5L

Sodium Metabisulphite 1% Solution (for Grocott)



Contains:
Acetic Acid: <1%
Phosphotungstic Acid: <1%

Code	Pack
RRSP520-D	500ml
RRSP520-E	1L
RRSP520-F	2.5L

Gold Chloride Solution 0.1% Aqueous



Contains:
Gold Chloride: <0.1%

Code	Pack
RRSP42-B	100ml
RRSP42-C	250ml
RRSP42-D	1L

Special Staining

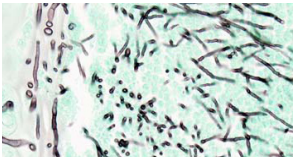


Grocott Stain Kit

Kit Components Continued...

Chromic Acid 5% Solution x 2	Sodium Metabisulphite 1% Solution
Hexamine (Methanamine) 3% Solution x 2	Gold Chloride 0.1% Solution
Silver Nitrate 5% Solution	Sodium Thiosulphate 2% Solution
Sodium Tetraborate 5% Solution x 2	Light Green (0.2% in 0.2% Acetic Acid)

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Sodium Thiosulphate 2% Aqueous



Contains:
Sodium Thiosulphate: <2%

Code	Pack
RRSP43-D	500ml
RRSP43-E	1L
RRSP43-F	2.5L

Light Green 0.2% in 0.2% Acetic Acid



Contains:
Acetic Acid: <1%

Code	Pack
RRSP525-D	500ml
RRSP525-E	1L
RRSP525-F	2.5L

Special Staining

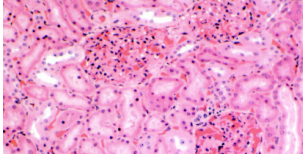


Haematoxylin & Eosin Stain Kit (H&E)

This stain kit demonstrates all tissue structures. The haematoxylin (alum) Harris' stains the nuclei blue/black and the eosin stains cell cytoplasm and most connective tissue fibres in varying shades and intensity from pink to red

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK26	Haematoxylin & Eosin	Δ	Δ	Δ	Δ

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Kit Components

Haematoxylin Harris	Scotts Tap Water
Eosin Y 1% Aqueous	
Acid Alcohol 0.5%	

Haematoxylin Harris



Contains:
Denatured Ethanol: <10%
Sodium Iodate: <1%

Code	Pack
RRSP67-D	500ml
RRSP67-E	1L
RRSP67-F	2.5L
RRSP67-3E-B	3L Dispenser
RRSP67-G	5L
RRSP67-G-B	5L Dispenser

Eosin Y (1% Aqueous)



Contains:
Eosin Y: <1%
Calcium Chloride: <1%
Sodium Azide: <1%

Code	Pack
RRSP35-D	500ml
RRSP35-E	1L
RRSP35-F	2.5L
RRSP35-3E-B	3L Dispenser
RRSP35-G	5L
RRSP35-G-B	5L Dispenser

Acid Alcohol 0.5%



Contains:
Denatured Ethanol: >99%
Hydrochloric Acid: <1%

Code	Pack
RRSP186-D	500ml
RRSP186-E	1L
RRSP186-F	2.5L
RRSP186-3E-B	3L Dispenser
RRSP186-G	5L
RRSP186-G-B	5L Dispenser

Scotts Tap Water substitute Ready to use



Contains:
Sodium Azide: <1%
Sodium Hydrogen Carbonate
Magnesium Sulphate

Code	Pack
RRSP192-D	500ml
RRSP192-E	1L
RRSP192-F	2.5L
RRSP192-3E-B	3L Dispenser
RRSP192-G	5L
RRSP192-G-B	5L Dispenser

Special Staining

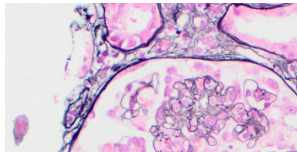
Jone’s PAS-M Stain Kit

This stain kit is used to demonstrate basement membrane of the glomerulus in the kidney. The carbohydrate components are first oxidised with periodic acid solution to produce aldehydes which subsequently reduce silver to a visible metallic silver’

		100 Test
Code	Kit Extension:	- 100
RRSK303	Jone’s PAS-M	Δ

Kit Components

Periodic Acid 1%	Gold Chloride 0.2%
Hexamine (Methanamine) 3% Solution	Sodium Thiosulphate 2%
Silver Nitrate 5%	Neutral Red 0.1%
Sodium Tetraborate 5%	



*This imagery is for illustration purposes only

Periodic Acid (1% Aqueous)



Contains:
Periodic Acid : 1%

Code	Pack
RRSP124-D	500ml
RRSP124-E	1L
RRSP124-F	2.5L

Hexamine 3% Solution (For Grocotts)

Contains:
Hexamethylenetetramine:
<3%

Code	Pack
RRSP45-D	500ml
RRSP45-E	1L
RRSP45-F	2.5L

Silver Nitrate 5% Solution

Contains:
Silver Nitrate: <5%

Code	Pack
RRSP44-B	100ml
RRSP44-C	250ml
RRSP44-D	500ml

Sodium Tetraborate (Borax) 5% Solution



Contains:
Sodium Tetraborate: <5%

Code	Pack
RRSP522-D	500ml
RRSP522-E	1L
RRSP522-F	2.5L

Gold Chloride 0.2% Aqueous Solution

Contains:
Gold Chloride: 0.2%

Code	Pack
RRSP511-B	100ml
RRSP511-C	250ml
RRSP511-D	500ml

Sodium Thiosulphate 2% Aqueous



Contains:
Sodium Thiosulphate: <2%

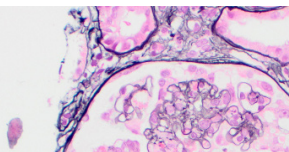
Code	Pack
RRSP43-D	500ml
RRSP43-E	1L
RRSP43-F	2.5L

Special Staining

Jone’s PAS-M Stain Kit

Kit Components Continued...

Periodic Acid 1%	Gold Chloride 0.2%
Hexamine (Methanamine) 3% Solution	Sodium Thiosulphate 2%
Silver Nitrate 5%	Neutral Red 0.1%
Sodium Tetraborate 5%	



*This imagery is for illustration purposes only

Neutral Red 0.1%



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L

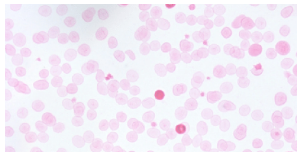
Special Staining



Kleihauer Stain Kit

This stain kit is used to detect foetal cells in a maternal circulation and is based upon the ability of foetal cells to withstand acid pH whereas adult red cells undergo elution of the haemoglobin

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK33	Kleihauer	Δ	Δ	Δ	Δ



Kit Components

Kleihauer Buffer Solution 1 x 3	Haemalum Mayer
Kleihauer Buffer Solution 2 x 2	Denatured Ethanol 80%
Erythrosin 0.1% Acidified Solution	

Kleihauer Buffer - Solution 1



Contains:
di-Sodium Hydrogen
Phosphate <3%

Code	Pack
RRSP5691-D	500ml
RRSP5691-E	1L
RRSP5691-F	2.5L

Kleihauer Buffer - Solution 2



Contains:
Citric Acid: >2%

Code	Pack
RRSP5692-D	500ml
RRSP5692-E	1L
RRSP5692-F	2.5L

Erythrosine B 0.1% Solution Acidified



Contains:
Erythrosine B: <0.1%
Acetic Acid: <1%

Code	Pack
RRSP5694-D	500ml
RRSP5694-E	1L
RRSP5694-F	2.5L

Haemalum Mayer



Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP60-E	1L
RRSP60-F	2.5L

Denatured Ethanol 80%



Contains:
Denatured Ethanol: <80%

Code	Pack
RRSP422-D	500ml
RRSP422-E	1L
RRSP422-F	2.5L

Special Staining



Luxol Fast Blue Stain Kit

This stain kit is used to demonstrate the presence of normal myelin. When combined with a cresyl violet counterstain myelin and nissl substances are demonstrated



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		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK345	Luxol Fast Blue	Δ	Δ	Δ	Δ

Kit Components

Luxol Fast Blue 0.1% in Acidified Methanol	Lithium Carbonate Solution 0.05%
Cresyl Violet 0.5% Aqueous Solution	Denatured Ethanol 70%
Cresyl Violet Differentiator (IMS 99%)	

Luxol Fast Blue in Acidified Methanol



Contains:
Methanol: >99%

Code	Pack
RRSP248-D	500ml
RRSP248-E	1L
RRSP248-F	2.5L

Cresyl Violet 0.5% Aqueous



Contains:
Cresyl Violet Acetate: <1%
Acetic Acid: <1%

Code	Pack
RRSP251-D	500ml
RRSP251-E	1L
RRSP251-F	2.5L

Cresyl Violet Differentiator



Contains:
Denatured Ethanol: >95%
Acetic Acid: <1%

Code	Pack
RRSP260-D	500ml
RRSP260-E	1L
RRSP260-F	2.5L

Lithium Carbonate 0.05% Solution



Contains:
Lithium Carbonate : <1%

Code	Pack
RRSP252-D	500ml
RRSP252-E	1L
RRSP252-F	2.5L

Denatured Ethanol 70%



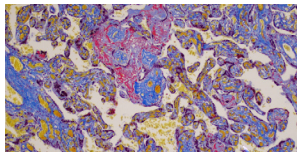
Contains:
Denatured Ethanol: <70%

Code	Pack
RRSP242-D	500ml
RRSP242-E	1L
RRSP242-F	2.5L

Special Staining



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Martius Scarlet Blue Stain Kit (MSB)

This stain kit allows the differentiation of fibrin, collagen and muscle. Early fibrin and red blood cells are also demonstrated with this technique

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK2	Martius Scarlet Blue	Δ	Δ	Δ	Δ

Kit Components

Martius Yellow Sat. Alcoholic with 2% Phosphotungstic Acid	Haematoxylin Weigerts (Solution B)
Phosphotungstic Acid 1% Solution	Brilliant Crystal Scarlet
Haematoxylin Weigerts (Solution A)	Aniline Blue (1% Aqueous)

Martius Yellow Sat. Alcoholic with 2% Phosphotungstic Acid



Contains:
Denatured Ethanol: >99%
Phosphotungstic Acid: 2%

Code	Pack
RRSP165-D	500ml
RRSP165-E	1L
RRSP165-F	2.5L

Phosphotungstic Acid 1% Solution



Contains:
Phosphotungstic Acid: <1%

Code	Pack
RRSP172-D	500ml
RRSP172-E	1L
RRSP172-F	2.5L

Haematoxylin Weigerts A



Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP72-D	500ml
RRSP72-E	1L
RRSP72-F	2.5L

Haematoxylin Weigerts B



Contains:
Hydrochloric Acid: <1%
Ferric Chloride: <1%

Code	Pack
RRSP73-D	500ml
RRSP73-E	1L
RRSP73-F	2.5L

Brilliant Crystal Scarlet Solution

Contains:
Acetic Acid: <3%

Code	Pack
RRSP657-D	500ml
RRSP657-E	1L
RRSP657-F	2.5L

Aniline Blue (1% Aqueous)

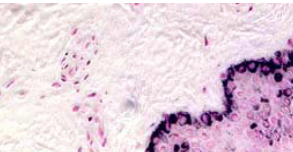
Contains:
Aniline Blue: <1%

Code	Pack
RRSP5-D	500ml
RRSP5-E	1L
RRSP5-F	2.5L

Special Staining



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Masson Fontana Stain Kit

This stain kit is used to demonstrate melanin in tissue but can also demonstrate argentaaffin cell granules and lipofuscins.

		100 Test	200 Test
Code	Kit Extension:	- 100	-200
RRSK12	Masson Fontana	Δ	Δ

Kit Components

Ammonia Solution 33%	Neutral Red 0.1% Solution
Silver Nitrate 10% Solution x 4	
Sodium Thiosulphate 5% Solution	

Ammonia Solution 33-34% SGO.88



Contains:
Ammonia: >33%

Code	Pack
GPC9001-D	500ml
GPC9001-E	1L
GPC9001-F	2.5L

Silver Nitrate 10% Solution



Contains:
Silver Nitrate: <10%

Code	Pack
RRSP173-B	100ml
RRSP173-C	250ml
RRSP173-D	500ml

Sodium Thiosulphate 5% Solution



Contains:
Sodium Thiosulphate: <5%

Code	Pack
RRSP176-D	500ml
RRSP176-E	1L
RRSP176-F	2.5L

Neutral Red (0.1% Aqueous)



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L
RRSP556-3E-B	3L Dispenser
RRSP556-G	5L
RRSP556-G-B	5L Dispenser

Special Staining



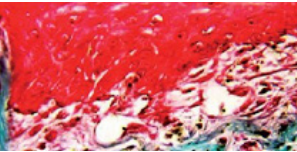
Masson Trichrome (Light Green) Stain Kit

This stain kit is used to demonstrate connective tissues. Three dyes are used, each with different selectivity for muscle, collagen fibres and erythrocytes hence the term ‘trichrome’ staining

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK21	Masson Trichrome (Light Green)	Δ	Δ	Δ	Δ

Kit Components

Haematoxylin Weigerts (Solution A)	Ponceau Fuchsin Masson Solution
Haematoxylin Weigerts (Solution B)	Light Green Masson (2% Light Green in 2.5% Acetic Acid)
Phosphotungstic Acid 1% Solution	



Haematoxylin Weigerts A

Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP72-D	500ml
RRSP72-E	1L
RRSP72-F	2.5L

Haematoxylin Weigerts B

Contains:
Hydrochloric Acid: <1%
Ferric Chloride: <1%

Code	Pack
RRSP73-D	500ml
RRSP73-E	1L
RRSP73-F	2.5L



Phosphotungstic Acid 1% Solution

Contains:
Phosphotungstic Acid: <1%

Code	Pack
RRSP172-D	500ml
RRSP172-E	1L
RRSP172-F	2.5L



Ponceau Fuchsin (Masson)

Contains:
Acetic Acid <1%

Code	Pack
RRSP5120-D	500ml
RRSP5120-E	1L
RRSP5120-F	2.5L



Light Green Masson (2% in 2.5% Acetic Acid)

Contains:
Acetic Acid: <1%

Code	Pack
RRSP79-D	500ml
RRSP79-E	1L
RRSP79-F	2.5L



Special Staining



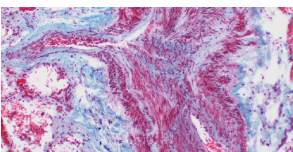
Masson Trichrome (Methyl Blue) Stain Kit

This stain kit is used to demonstrate connective tissues. Three dyes are used, each with different selectivity for muscle, collagen fibres and erythrocytes hence the term ‘trichrome’ staining

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK20	Masson Trichrome (Methyl Blue)	Δ	Δ	Δ	Δ

Kit Components

Haematoxylin Weigerts (Solution A)	Haematoxylin	Ponceau Fuchsin Masson Solution
Weigerts (Solution B)	2% Methyl Blue in 2.5% Acetic Acid	
Phosphotungstic Acid 1% Solution		



Haematoxylin Weigerts A

Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP72-D	500ml
RRSP72-E	1L
RRSP72-F	2.5L



Haematoxylin Weigerts B

Contains:
Hydrochloric Acid: <1%
Ferric Chloride: <1%

Code	Pack
RRSP73-D	500ml
RRSP73-E	1L
RRSP73-F	2.5L



Phosphotungstic Acid 1% Solution

Contains:
Phosphotungstic Acid: <1%

Code	Pack
RRSP172-D	500ml
RRSP172-E	1L
RRSP172-F	2.5L



Ponceau Fuchsin (Masson)

Contains:
Acetic Acid <1%

Code	Pack
RRSP5120-D	500ml
RRSP5120-E	1L
RRSP5120-F	2.5L



Methyl Blue 2% in 2.5% Acetic Acid

Contains:
Acetic Acid: <1%

Code	Pack
RRSP112-D	500ml
RRSP112-E	1L
RRSP112-F	2.5L



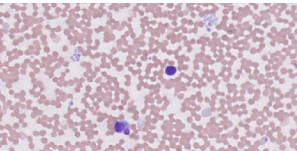
Special Staining



May Grünwald Giemsa Stain Kit

This stain kit is used for the differential staining of cellular elements of blood. Giemsa and May Grunwald staining solutions are classified as “Romanowsky” stains. These compound dyes are relatively insoluble in water and are usually prepared by solubilisation in Methanol

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK27	May Grünwald Giemsa	Δ	Δ	Δ	Δ



Kit Components

May Grünwald Stain
Giemsa Stain
Sorensens Buffer (200x conc) pH6.8

May Grunwald Stain



Contains:
Methanol: >99%
May Grunwald Powder

Code	Pack
RRSP87-D	500ml
RRSP87-E	1L
RRSP87-F	2.5L
RRSP87-3E-B	3L Dispenser
RRSP87-G	5L
RRSP87-G-B	5L Dispenser

Giemsa Stain RR88



Contains:
Methanol: <50%
Glycerol: <50%
Giemsa Powder

Code	Pack
RRSP54-D	500ml
RRSP54-E	1L
RRSP54-F	2.5L
RRSP54-3E-B	3L Dispenser
RRSP54-G	5L
RRSP54-G-B	5L Dispenser

Sorensens Buffer 200 x Concentrate pH 6.8 to make 5L



Contains:
Mixed Phosphates
Dilute to 5000ml with
Distilled Water for Use

Code	Pack
RRPBS2-10	10 x 25ml
RRPBS2-25	25 x 25ml
RRPBS2-250	250 x 25ml

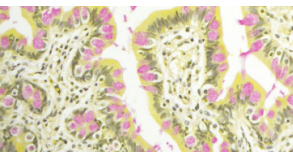
Special Staining



Mucicarmine Southgate Stain Kit

This stain kit is used for the demonstration of acid mucins. The active dye molecule is aluminium carminic acid complex known as carmine (Lillie 1977). The exact mechanism is not fully understood but it is believed that aluminium salts form a chelate complex with carminic acid which confers an overall positive charge on the carmine complex attracting sialomucins and sulfomucins and thus staining them whilst neutral mucins do not stain

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK13	Mucicarmine Southgate	Δ	Δ	Δ	Δ



Kit Components

Mucicarmine (Southgate)	Haemalum Mayer
Scotts Tap Water Substitute	
Martius Yellow Saturated Alcoholic	

Mucicarmine (Southgate)

Contains:
Denatured Ethanol: <50%
Aluminium Hydroxide: <1%

Code	Pack
RRSP103-D	500ml
RRSP103-E	1L
RRSP103-F	2.5L

Scotts Tap water substitute Ready to use



Contains:
Sodium Azide: <1%
Sodium Hydrogen Carbonate
Magnesium Sulphate

Code	Pack
RRSP192-D	500ml
RRSP192-E	1L
RRSP192-F	2.5L
RRSP192-3E-B	3L Dispenser
RRSP192-G	5L
RRSP192-G-B	5L Dispenser

Martius Yellow (Sat. Alcoholic Solution)

Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP164-D	500ml
RRSP164-E	1L
RRSP164-F	2.5L

Haemalum Mayer



Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP560-E	1L
RRSP560-F	2.5L



Special Staining

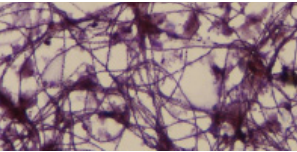
Neisser Stain Kit

This stain kit is used to demonstrate certain strains of filamentous bacteria in tissue sections and/or smears. The method can demonstrate the Bio-P bacteria responsible for biological phosphate removal

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK62	Neisser	Δ	Δ	Δ	Δ

Kit Components

Neisser Stain A (Methylene Blue Solution)	Neisser Stain D (Chrysoidine Solution)
Neisser Stain B (Crystal Violet Solution)	
Neisser Stain C (Iodine Solution)	



Neissers Stain A



Contains:
Denatured Ethanol: <5%
Acetic Acid: <5%

Code	Pack
RRSP104-D	500ml
RRSP104-E	1L
RRSP104-F	2.5L
RRSP104-3E-B	3L Dispenser
RRSP104-G	5L
RRSP104-G-B	5L Dispenser

Neissers Stain B



Contains:
Denatured Ethanol: <7%
Gentian Violet: <1%

Code	Pack
RRSP105-D	500ml
RRSP105-E	1L
RRSP105-F	2.5L
RRSP105-3E-B	3L Dispenser
RRSP105-G	5L
RRSP105-G-B	5L Dispenser

Neissers Stain C



Contains:
Hydrochloric Acid: <1%
Iodine: <2%

Code	Pack
RRSP106-D	500ml
RRSP106-E	1L
RRSP106-F	2.5L
RRSP106-3E-B	3L Dispenser
RRSP106-G	5L
RRSP106-G-B	5L Dispenser

Neissers Stain D



Contains:
Sodium Azide: <1%

Code	Pack
RRSP107-D	500ml
RRSP107-E	1L
RRSP107-F	2.5L
RRSP107-3E-B	3L Dispenser
RRSP107-G	5L
RRSP107-G-B	5L Dispenser

Special Staining

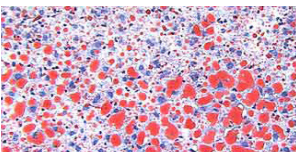
Oil Red O Stain Kit

This stain kit is used to demonstrate hydrophobic lipids especially neutral fats in tissue. In order to penetrate the fats the dye must be dissolved in organic solvents, the solvent must be sufficiently dilute (aqueous) to avoid extracting the lipids into the solution. The most widely used solvent is isopropyl alcohol (isopropanol/IPA). Also, the tissue once stained, can be shown by polarised light to demonstrate birefringent cholesterol

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK14	Oil Red O	Δ	Δ	Δ	Δ

Kit Components

Saturated Oil Red O Stain in Isopropyl Alcohol
Haemalum Mayer
Isopropyl Alcohol 70% x 2



Oil Red O 1% Solution in Isopropanol



Contains:
Isopropanol: >99%

Code	Pack
RRSP185-D	500ml
RRSP185-E	1L
RRSP185-F	2.5L

Haemalum Mayer



Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP560-E	1L
RRSP560-F	2.5L

Isopropanol 70% Blend



Contains:
Isopropanol: >70%

Code	Pack
GPS1030-D	500ml
GPS1030-E	1L
GPS1030-F	2.5L

Special Staining

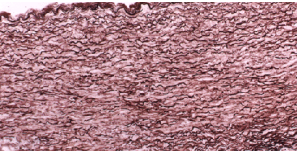
Orcein Elastic Stain Kit

This stain kit can be used to demonstrate elastic fibres in tissue sections; recommended for vascular pathology

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK91	Orcein Elastic	Δ	Δ	Δ	Δ

Kit Components

Orcein Shikata (for HbsAg in tissue)	Oxalic Acid 1% Solution
Potassium Permanganate 0.5% Solution x 2	Denatured Ethanol 70%
Sulphuric Acid 3% Solution	Acid Alcohol 1%



Orcein Shikata (For HbsAg in tissue)

Contains:
Denatured Ethanol: <70%
Hydrochloric Acid: <10%

Code	Pack
RRSP117-D	500ml
RRSP117-E	1L
RRSP117-F	2.5L

Potassium Permanganate (0.5% Aqueous)

Contains:
Potassium Permanganate: <1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Sulphuric Acid 3% Aqueous Solution

Contains:
Sulphuric Acid: <3%

Code	Pack
RRSP141-D	500ml
RRSP141-E	1L
RRSP141-F	2.5L

Oxalic Acid 1% Solution

Contains:
Oxalic Acid: <1%

Code	Pack
RRSP166-D	500ml
RRSP166-E	1L
RRSP166-F	2.5L

Denatured Ethanol 70%

Contains:
Denatured Ethanol: <70%

Code	Pack
RRSP242-D	500ml
RRSP242-E	1L
RRSP242-F	2.5L

Acid Alcohol 1%

Contains:
Denatured Ethanol: >99%
Hydrochloric Acid:<1%

Code	Pack
RRSP187-D	500ml
RRSP187-E	1L
RRSP187-F	2.5L
RRSP187-3E-B	3L Dispenser
RRSP187-G	5L
RRSP187-G-B	5L Dispenser

Special Staining

Orcein Shikata Stain Kit (for HbsAg in tissue)

This stain kit is a popular for staining hepatitis B surface antigen and copper associated protein commonly found in diseases such as Wilson's disease and chronic biliary disease

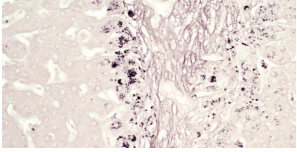
		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK29	Orcein Shikata	Δ	Δ	Δ	Δ

Kit Components

Orcein Shikata (for HbsAg in tissue)	Oxalic Acid 1% Solution
Potassium Permanganate 0.5% solution x 2	Denatured Ethanol 70% x 3
Sulphuric Acid 3% Solution	



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Orcein Shikata (For HbsAg in tissue)

Contains:
Denatured Ethanol: <70%
Hydrochloric Acid: <10%

Code	Pack
RRSP117-D	500ml
RRSP117-E	1L
RRSP117-F	2.5L

Potassium Permanganate (0.5% Aqueous)

Contains:
Potassium Permanganate: <1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Sulphuric Acid 3% Aqueous Solution

Contains:
Sulphuric Acid: <3%

Code	Pack
RRSP141-D	500ml
RRSP141-E	1L
RRSP141-F	2.5L

Oxalic Acid 1% Solution

Contains:
Oxalic Acid: <1%

Code	Pack
RRSP166-D	500ml
RRSP166-E	1L
RRSP166-F	2.5L

Denatured Ethanol 70%

Contains:
Denatured Ethanol: <70%

Code	Pack
RRSP242-D	500ml
RRSP242-E	1L
RRSP242-F	2.5L

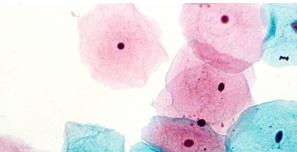
Special Staining



Papanicolaou Stain Kit

This stain kit is used for the demonstration of gynaecological cells in cytological preparations

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK28	Papanicolaou	Δ	Δ	Δ	Δ



Kit Components

Papanicolau EA50
Papanicolau OG6
Haematoxylin Harris

Papanicolaou Stain EA50

Contains:
Denatured Ethanol: <45%
Methanol: <50%

Code	Pack
RRSP121-D	500ml
RRSP121-E	1L
RRSP121-F	2.5L
RRSP121-3E-B	3L Dispenser
RRSP121-G	5L
RRSP121-G-B	5L Dispenser

Papanicolaou Stain OG6

Contains:
Methanol: <50%
Denatured Ethanol: <50%
Phosphotungstic Acid: <1%

Code	Pack
RRSP122-D	500ml
RRSP122-E	1L
RRSP122-F	2.5L
RRSP122-3E-B	3L Dispenser
RRSP122-G	5L
RRSP122-G-B	5L Dispenser

Haematoxylin Harris

Contains:
Denatured Ethanol: <10%
Sodium Iodate: <1%

Code	Pack
RRSP67-D	500ml
RRSP67-E	1L
RRSP67-F	2.5L
RRSP67-3E-B	3L Dispenser
RRSP67-G	5L
RRSP67-G-B	5L Dispenser

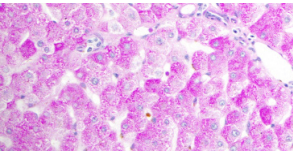
Special Staining



PAS Stain Kit (modified McManus 1946)

This stain kit is used for the demonstration of neutral mucins, glycogen and some early lipofuchsin. The technique is based upon the reactivity of free aldehyde groups within carbohydrates whereby the Schiff reagent forms a bright red magenta end product

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK15	PAS	Δ	Δ	Δ	Δ



Kit Components

Periodic Acid Solution 1%
Haematoxylin Harris
Schiff Reagents (Feulgen)

Periodic Acid (1% Aqueous)

Contains:
Periodic Acid : 1%

Code	Pack
RRSP124-D	500ml
RRSP124-E	1L
RRSP124-F	2.5L

Haematoxylin Harris

Contains:
Denatured Ethanol: <10%
Sodium Iodate: <1%

Code	Pack
RRSP67-D	500ml
RRSP67-E	1L
RRSP67-F	2.5L
RRSP67-3E-B	3L Dispenser
RRSP67-G	5L
RRSP67-G-B	5L Dispenser

Feulgen Stain (Schiff)

Contains:
Sodium Metabisulphite: <1%
Hydrochloric Acid: <2%

Code	Pack
RRSP40-D	500ml
RRSP40-E	1L
RRSP40-F	2.5L



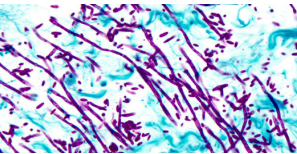
Special Staining



PAS Stain Kit for fungal cell walls (modified McManus 1946)

This stain kit is based upon the cell walls of fungi being rich in polysaccharides which can be converted by oxidation to dialdehydes and demonstrated with Schiff reagent

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK157	PAS	Δ	Δ	Δ	Δ



Kit Components

Periodic Acid Solution 1%
Light Green 0.2% in 0.2% Acetic Acid
Schiff Reagents (Feulgen)

Periodic Acid (1% Aqueous)



Contains:
Periodic Acid : 1%

Code	Pack
RRSP124-D	500ml
RRSP124-E	1L
RRSP124-F	2.5L

Light Green 0.2% in 0.2% Acetic Acid



Contains:
Acetic Acid: <1%

Code	Pack
RRSP525-D	500ml
RRSP525-E	1L
RRSP525-F	2.5L

Feulgen Stain (Schiff)



Contains:
Sodium Metabisulphite: <1%
Hydrochloric Acid: <2%

Code	Pack
RRSP40-D	500ml
RRSP40-E	1L
RRSP40-F	2.5L

Special Staining

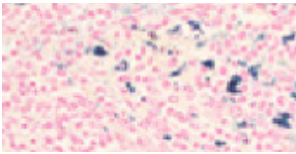


Perls Stain Kit

This stain kit is used to demonstrate ferric salts in tissue sections. Treatment with an acid ferrocyanide solution will result in the unmasking of ferric iron in the form or hydroxide, Fe(OH)3, by dilute hydrochloric acid. The ferric iron then reacts with a dilute potassium ferrocyanide solution to produce an insoluble blue compound, ferric ferrocyanide (Prussian Blue)

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK16	Perls	Δ	Δ	Δ	Δ

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Kit Components

Perls Stain Solution A - Hydrochloric Acid Solution 2%
Perls Stain Solution B - Potassium Ferrocyanide Solution 2%
Neutral Red Solution 0.1%

Perls Stain (Solution A)



Contains:
Hydrochloric Acid: <3%

Code	Pack
RRSP127-D	500ml
RRSP127-E	1L
RRSP127-F	2.5L

Perls Stain (Solution B)



Contains:
Potassium Ferrocyanide:
<1%

Code	Pack
RRSP128-D	500ml
RRSP128-E	1L
RRSP128-F	2.5L

Neutral Red 0.1%



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L
RRSP556-3E-B	3L Dispenser
RRSP556-G	5L
RRSP556-G-B	5L Dispenser

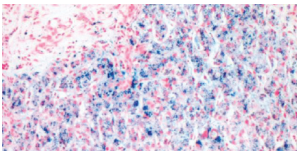
Special Staining



Perls Stain Kit (Haematology Version)

This stain kit is used to demonstrate hemosiderin in bone marrow macrophages and iron within sideroblasts

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK165	Perls (Haematology)	Δ	Δ	Δ	Δ



Kit Components

Perls Stain A: Hydrochloric Acid Solution 2%
Perls Stain B: Potassium Ferrocyanide Solution 2%
Neutral Red Solution 0.5%

Perls Stain (Solution A)



Contains:
Hydrochloric Acid: <3%

Code	Pack
RRSP127-D	500ml
RRSP127-E	1L
RRSP127-F	2.5L

Perls Stain (Solution B)



Contains:
Potassium Ferrocyanide:
<1%

Code	Pack
RRSP128-D	500ml
RRSP128-E	1L
RRSP128-F	2.5L

Neutral Red (0.5% Aqueous)



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L
RRSP556-3E-B	3L Dispenser
RRSP556-G	5L
RRSP556-G-B	5L Dispenser

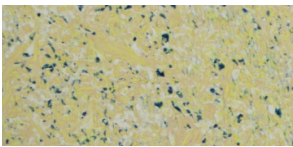
Special Staining



Perls Van Gieson Stain Kit

This stain kit demonstrates ferric iron, collagen and connective tissue in sections

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK60	Perls Van Gieson	Δ	Δ	Δ	Δ



Kit Components

Perls Stain Solution A - Hydrochloric Acid Solution 2%
Perls Stain Solution B - Potassium Ferrocyanide Solution 2%
Van Gieson Extra

Perls Stain (Solution A)



Contains:
Hydrochloric Acid: <3%

Code	Pack
RRSP127-D	500ml
RRSP127-E	1L
RRSP127-F	2.5L

Perls Stain (Solution B)



Contains:
Potassium Ferrocyanide:
<1%

Code	Pack
RRSP128-D	500ml
RRSP128-E	1L
RRSP128-F	2.5L

Van Gieson Extra



Contains:
Picric Acid: <2.5%

Code	Pack
RRSP539-D	500ml
RRSP539-E	1L
RRSP539-F	2.5L

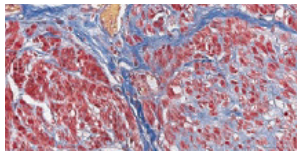
Special Staining



Picro Mallory Trichrome Stain Kit

This stain kit allows the selective demonstration of muscle, collagen fibres and erythrocytes. This trichrome stain uses 3 dyes of differing molecular size

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK90	Picro Mallory Trichrome	Δ	Δ	Δ	Δ



Kit Components

Glacial Acetic Acid 0.5% Aqueous x 2	Picro Mallory Solution B
Saturated Aqueous Picric Acid Solution	Phosphotungstic Acid 1% Solution
Picro Mallory Solution A	

Acetic Acid 0.5% Solution



Contains:
Acetic Acid: <1%

Code	Pack
RRSP191-D	500ml
RRSP191-E	1L
RRSP191-F	2.5L

Picric Acid 2.1% Saturated Aqueous Solution

Contains:
Picric Acid: <2.1% (Saturated)

Code	Pack
RRSP143-D	500ml
RRSP143-E	1L
RRSP143-F	2.5L

Picro Mallory Solution A



Contains:
Acid Fuchsin

Code	Pack
RRSP231-D	500ml
RRSP231-E	1L
RRSP231-F	2.5L

Picro Mallory Solution B

Contains:
Phosphotungstic Acid
Aniline Blue
Orange G

Code	Pack
RRSP232-D	500ml
RRSP232-E	1L
RRSP232-F	2.5L

Phosphotungstic Acid 1% Solution



Contains:
Phosphotungstic Acid: <1%

Code	Pack
RRSP172-D	500ml
RRSP172-E	1L
RRSP172-F	2.5L

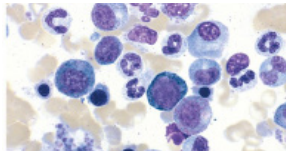
Special Staining



Rapi-Diff II Stain Kit

This stain kit is used for the rapid differential evaluation of haematological and cytological smears

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK1	Rapi-Diff II	Δ	Δ	Δ	Δ



Kit Components

Rapi-Diff II Stain - Solution A
Rapi-Diff II Stain - Solution B
Rapi-Diff II Stain - Solution C

Rapi-Diff II Stain - Solution A



Contains:
Methanol: >99%

Code	Pack
RRSP133-D	500ml
RRSP133-E	1L
RRSP133-F	2.5L
RRSP133-3E-B	3L Dispenser
RRSP133-G	5L
RRSP133-G-B	5L Dispenser

Rapi-Diff II Stain - Solution B



Contains:
Eosin Y
Mixed Phosphates

Code	Pack
RRSP134-D	500ml
RRSP134-E	1L
RRSP134-F	2.5L
RRSP134-3E-B	3L Dispenser
RRSP134-G	5L
RRSP134-G-B	5L Dispenser

Rapi-Diff II Stain - Solution C



Contains:
Methylene Blue
Azur I
Mixed Phosphates

Code	Pack
RRSP135-D	500ml
RRSP135-E	1L
RRSP135-F	2.5L
RRSP135-3E-B	3L Dispenser
RRSP135-G	5L
RRSP135-G-B	5L Dispenser

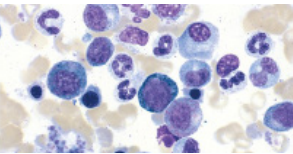
Special Staining



Rapi-Diff II Stain Kit Extra

This stain kit is for the rapid differential evaluation of haematological and cytological smears

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK190	Rapi-Diff II Extra	Δ	Δ	Δ	Δ



Kit Components

Rapi-Diff II Stain - Solution A	Buffer Tablets pH 6.8 (Each Tablet make 1L of buffer)
Rapi-Diff II Stain - Solution B	
Rapi-Diff II Stain - Solution C	

Rapi-Diff II Stain - Solution A



Contains:
Methanol: >99%

Code	Pack
RRSP133-D	500ml
RRSP133-E	1L
RRSP133-F	2.5L
RRSP133-3E-B	3L Dispenser
RRSP133-G	5L
RRSP133-G-B	5L Dispenser

Rapi-Diff II Stain - Solution B



Contains:
Eosin Y
Mixed Phosphates

Code	Pack
RRSP134-D	500ml
RRSP134-E	1L
RRSP134-F	2.5L
RRSP134-3E-B	3L Dispenser
RRSP134-G	5L
RRSP134-G-B	5L Dispenser

Rapi-Diff II Stain - Solution C



Contains:
Methylene Blue
Azur I
Mixed Phosphates

Code	Pack
RRSP135-D	500ml
RRSP135-E	1L
RRSP135-F	2.5L
RRSP135-3E-B	3L Dispenser
RRSP135-G	5L
RRSP135-G-B	5L Dispenser

Buffer Tablets pH 6.8 to make 1L (1000ml)



Dissolve 1 tablet in 1L distilled water
pH at dilution: 6.8 +/- 0.2%

Code	Pack
AE32-001	50 Pack
AE32-002	100 Pack
AE32-003	1000 Pack

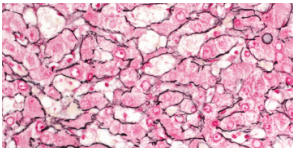
Special Staining



Reticulin Stain Kit (with Gold Chloride)

This stain kit is used to demonstrate reticulin fibres. The Gordon & Sweet method uses metal impregnation providing excellent contrast so even the finest fibres can be seen

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Kit Components

Potassium Permanganate 0.5% Solution x 2	Sodium Hydroxide 3% Solution
Sulphuric Acid 3% Solution	Formaldehyde 10% (v/v) Solution Unbuffered
Oxalic Acid 1% Solution	Sodium Thiosulphate 5% Solution
Ferric Ammonium Sulphate 2.5% Solution	Gold Chloride 0.2% Solution
Silver Nitrate 10% Solution	Neutral Red 0.1%
Ammonia 33% Solution	

Potassium Permanganate (0.5% Aqueous)



Contains:
Potassium Permanganate:
<1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Sulphuric Acid 3% Aqueous Solution



Contains:
Sulphuric Acid: <3%

Code	Pack
RRSP141-D	500ml
RRSP141-E	1L
RRSP141-F	2.5L

Oxalic Acid 1% Solution



Contains:
Oxalic Acid: <1%

Code	Pack
RRSP166-D	500ml
RRSP166-E	1L
RRSP166-F	2.5L

Ferric Ammonium Sulphate 2.5% (Iron Alum)



Contains:
Ferric Ammonium Sulphate:
<2%

Code	Pack
RRSP501-D	500ml
RRSP501-E	1L
RRSP501-F	2.5L

Silver Nitrate 10% Solution



Contains:
Silver Nitrate: <10%

Code	Pack
RRSP173-B	100ml
RRSP173-C	250ml
RRSP173-D	500ml

Ammonia Solution 33%



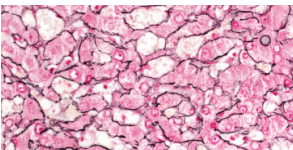
Minimum Assay (As NH3):
33.0-34.0%
Molecular Formula: NH4OH

Code	Pack
GPC9001-D	500ml
GPC9001-E	1L
GPC9001-F	2.5L

Special Staining



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Reticulin Stain Kit (with Gold Chloride)

Kit Components Continued

Potassium Permanganate 0.5% Solution x 2	Sodium Hydroxide 3% Solution
Sulphuric Acid 3% Solution	Formaldehyde 10% (v/v) Solution Unbuffered
Oxalic Acid 1% Solution	Sodium Thiosulphate 5% Solution
Ferric Ammonium Sulphate 2.5% Solution	Gold Chloride 0.2% Solution
Silver Nitrate 10% Solution	Neutral Red 0.1%
Ammonia 33% Solution	

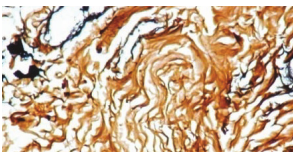
Special Staining



Reticulin Stain Kit (without Gold Chloride)

This stain kit is used to demonstrate reticulin fibres. The Gordon & Sweet method uses metal impregnation providing excellent contrast so even the finest fibres can be seen

		100 Test	200 Test
Code	Kit Extension:	- 100	-200
RRSK102	Reticulin (without Gold Chloride)	Δ	Δ



Kit Components

Potassium Permanganate 0.5% Solution x 2	Ammonia 33% Solution
Sulphuric Acid 3% Solution	Sodium Hydroxide 3% Solution
Oxalic Acid 1% Solution	Formaldehyde 10% (v/v) Solution Unbuffered
Ferric Ammonium Sulphate 2.5% Solution	Sodium Thiosulphate 5% Solution
Silver Nitrate 10% Solution	Neutral Red 0.1%

Sodium Hydroxide Solution 3%



Contains:
Sodium Hydroxide: <3%

Code	Pack
RRSP504-D	500ml
RRSP504-E	1L
RRSP504-F	2.5L

Formaldehyde 10% Solution Unbuffered



Contains:
Formaldehyde: <10%
(unbuffered)

Code	Pack
RRSP505-D	500ml
RRSP505-E	1L
RRSP505-F	2.5L

Sodium Thiosulphate 5% Solution



Contains:
Sodium Thiosulphate: <5%

Code	Pack
RRSP176-D	500ml
RRSP176-E	1L
RRSP176-F	2.5L

Potassium Permanganate (0.5% Aqueous)



Contains:
Potassium Permanganate:
<1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Sulphuric Acid 3% Aqueous Solution



Contains:
Sulphuric Acid: <3%

Code	Pack
RRSP141-D	500ml
RRSP141-E	1L
RRSP141-F	2.5L

Oxalic Acid 1% Solution



Contains:
Oxalic Acid: <1%

Code	Pack
RRSP166-D	500ml
RRSP166-E	1L
RRSP166-F	2.5L

Gold Chloride 0.2% Aqueous Solution



Contains:
Gold Chloride: 0.2%

Code	Pack
RRSP511-B	100ml
RRSP511-C	250ml
RRSP511-D	500ml

Neutral Red 0.1%



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L
RRSP556-3E-B	3L Dispenser
RRSP556-G	5L
RRSP556-G-B	5L Dispenser

Ferric Ammonium Sulphate 2.5% (Iron Alum)



Contains:
Ferric Ammonium Sulphate:
<2%

Code	Pack
RRSP501-D	500ml
RRSP501-E	1L
RRSP501-F	2.5L

Silver Nitrate 10% Solution



Contains:
Silver Nitrate: <10%

Code	Pack
RRSP173-B	100ml
RRSP173-C	250ml
RRSP173-D	500ml

Ammonia Solution 33%



Minimum Assay (As NH3):
33.0-34.0%
Molecular Formula: NH4OH

Code	Pack
GPC9001-D	500ml
GPC9001-E	1L
GPC9001-F	2.5L

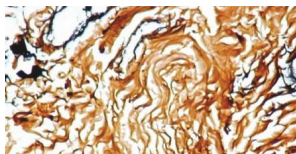
Special Staining



Reticulin Stain Kit (without Gold Chloride)

Kit Components Continued

Potassium Permanganate 0.5% Solution x 2	Ammonia 33% Solution
Sulphuric Acid 3% Solution	Sodium Hydroxide 3% Solution
Oxalic Acid 1% Solution	Formaldehyde 10% (v/v) Solution Unbuffered
Ferric Ammonium Sulphate 2.5% Solution	Sodium Thiosulphate 5% Solution
Silver Nitrate 10% Solution	Neutral Red 0.1%



Sodium Hydroxide Solution 3%



Contains:
Sodium Hydroxide: <3%

Code	Pack
RRSP504-D	500ml
RRSP504-E	1L
RRSP504-F	2.5L

Formaldehyde 10% Solution Unbuffered



Contains:
Formaldehyde: <10%
(unbuffered)

Code	Pack
RRSP505-D	500ml
RRSP505-E	1L
RRSP505-F	2.5L

Sodium Thiosulphate 5% Solution



Contains:
Sodium Thiosulphate: <5%

Code	Pack
RRSP176-D	500ml
RRSP176-E	1L
RRSP176-F	2.5L

Neutral Red 0.1%



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L
RRSP556-3E-B	3L Dispenser
RRSP556-G	5L
RRSP556-G-B	5L Dispenser

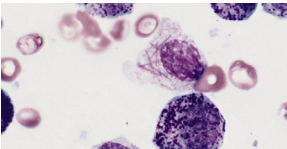
Special Staining

Sudan Black Stain Kit (Haematology Version)

This stain kit is used for staining peripheral blood and bone marrow smears to identify granulocytic and monocytic components of abnormal haemopoietic cells. The sudan black B cannot be extracted from the stained granules by organic dye solvents and gives comparable staining to that of MPO staining



		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK61	Sudan Black B	Δ	Δ	Δ	Δ



Kit Components

Sudan Black Stain in 70% Ethanol	Haemalum Mayer
Ethanol 70% solution	
Buffer Mordant Solution	

Sudan Black Stain in 70% Denatured Ethanol

Contains:
Denatured Ethanol: >70%
Sudan III

Code	Pack
RRSP140-D	500ml
RRSP140-E	1L
RRSP140-F	2.5L

Denatured Ethanol 70%



Contains:
Denatured Ethanol: <70%

Code	Pack
RRSP242-D	500ml
RRSP242-E	1L
RRSP242-F	2.5L

Buffer Solution (Sudan Black)



Contains:
Denatured Ethanol: <20%
Phenol: <15%

Code	Pack
RRSP170-D	500ml
RRSP170-E	1L
RRSP170-F	2.5L

Haemalum Mayer



Contains:
Denatured Ethanol: <10%
Chloral Hydrate: <5%
Sodium Iodate: <1%

Code	Pack
RRSP60-D	500ml
RRSP560-E	1L
RRSP560-F	2.5L

Special Staining

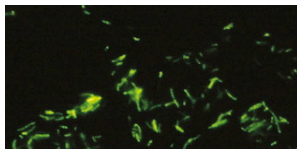
TB Fluorescent Stain Kit I (Auramine Phenol Lempert)

This stain kit is used for the demonstration of M-Tuberculosis and other acid fast organisms in tissue sections and smears. The protocol uses auramine O which is a yellow cationic dye used as a fluorochrome which attaches to the tubercle bacilli and is visualised by use of fluorescent microscopy

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK18	Auramine Phenol Lempert	Δ	Δ	Δ	Δ

Kit Components

Auramine Phenol Lempert Solution
Auramine Phenol Differentiator
Potassium Permanganate 0.5% Aqueous Solution



Auramine Phenol (Lempert)



Contains:
Denatured Ethanol: <35%
Phenol: <3%
Auramine O: <1%

Code	Pack
RRSP11-D	500ml
RRSP11-E	1L
RRSP11-F	2.5L

Auramine Differentiator



Contains:
Denatured Ethanol: <75%
Hydrochloric Acid: <1%

Code	Pack
RRSP12-D	500ml
RRSP12-E	1L
RRSP12-F	2.5L

Potassium Permanganate (0.5% Aqueous)



Contains:
Potassium Permanganate: <1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Special Staining

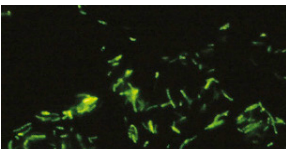
TB Fluorescent Stain Kit II

This stain kit is used for the demonstration of M-Tuberculosis and other acid fast organisms in tissue sections and smears. The protocol uses auramine O which is a yellow cationic dye used as a fluorochrome which attaches to the tubercle bacilli and is visualised by use of fluorescent microscopy

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK19	TB Fluorescent II	Δ	Δ	Δ	Δ

Kit Components

Auramine Rhodamine Phenol Lempert Solution
Auramine Phenol Differentiator
Potassium Permanganate 0.5% Aqueous Solution



Auramine Rhodamine Phenol



Contains:
Phenol: <10%
Auramine O: <3%

Code	Pack
RRSP9-D	500ml
RRSP9-E	1L
RRSP9-F	2.5L

Auramine Differentiator



Contains:
Denatured Ethanol: <75%
Hydrochloric Acid: <1%

Code	Pack
RRSP12-D	500ml
RRSP12-E	1L
RRSP12-F	2.5L

Potassium Permanganate (0.5% Aqueous)



Contains:
Potassium Permanganate: <1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

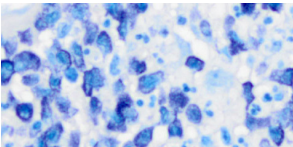
Special Staining



Toluidine Blue Stain Kit

This stain kit is used for the demonstration of mast cells in tissue sections. The granules within the cytoplasm of mast cells are metachromatic. The metachromatic staining is due to pH, dye concentration and temperature of the basic dye

		100 Test	200 Test
Code	Kit Extension:	- 100	-200
RRSK609	Toluidine Blue	Δ	Δ



Kit Components

Toluidine Blue 1% in 70% alcohol
Sodium Chloride 0.9% aqueous x 5

Toluidine Blue 1% in 70% Alcohol



Contains:
Denatured Ethanol: 70%
Toluidine Blue: 1%

Code	Pack
RRSP609-D	500ml
RRSP609-E	1L
RRSP609-F	2.5L

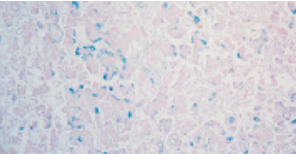
Sodium Chloride 0.9% Aqueous (Saline Solution)



Contains:
Sodium Chloride: 0.85-0.95%

Code	Pack
RRSP561-D	500ml
RRSP561-E	1L
RRSP561-F	2.5L

Special Staining



Victoria Blue Stain Kit

This stain kit can be used to demonstrate elastic fibres and copper associated protein (CAP) in tissue sections. Some disease states (e.g. Wilson’s disease) see a build up of copper in tissues such as the liver. An excess presence of elastic fibres in the liver may indicate fibrosis or cirrhosis

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK76	Victoria Blue	Δ	Δ	Δ	Δ

Kit Components

Potassium Permanganate 0.5% Aqueous	Victoria Blue Stain
Sulphuric Acid 3% aqueous	Neutral Red 0.1% Aqueous
Oxalic Acid 1% Aqueous	

Potassium Permanganate 0.5% Solution



Contains:
Potassium Permanganate:
<1%

Code	Pack
RRSP132-D	500ml
RRSP132-E	1L
RRSP132-F	2.5L

Sulphuric Acid 3% Aqueous Solution



Contains:
Sulphuric Acid: <3%

Code	Pack
RRSP141-D	500ml
RRSP141-E	1L
RRSP141-F	2.5L

Oxalic Acid 1% Solution



Contains:
Oxalic Acid: <1%

Code	Pack
RRSP166-D	500ml
RRSP166-E	1L
RRSP166-F	2.5L

Victoria Blue Stain

Contains:
Denatured ethanol: <50%
Ferric Chloride: <1%
Hydrochloric Acid: <1%
Resorcinol: <1%

Code	Pack
RRSP237-C	250ml
RRSP237-D	500ml
RRSP237-E	1L

Neutral Red 0.1%



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP556-D	500ml
RRSP556-E	1L
RRSP556-F	2.5L
RRSP556-3E-B	3L Dispenser
RRSP556-G	5L
RRSP556-G-B	5L Dispenser

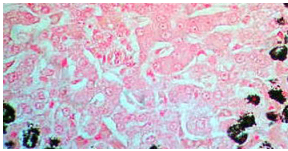
Special Staining



Von Kossa Stain Kit

This stain kit is used to visualise calcium deposits in tissue sections. The sections are treated with a silver nitrate solution and silver is deposited by replacing the calcium reduced by strong light which can then be visualised as metallic silver

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK38	Von Kossa	Δ	Δ	Δ	Δ



Kit Components

Silver Nitrate 5% solution
Sodium Thiosulphate 5% solution
Neutral Red (0.5% Aqueous) solution

Silver Nitrate 5% Solution



Contains:
Silver Nitrate: <5%

Code	Pack
RRSP44-B	100ml
RRSP44-C	250ml
RRSP44-D	500ml

Sodium Thiosulphate 5% Solution



Contains:
Sodium Thiosulphate: <5%

Code	Pack
RRSP176-D	500ml
RRSP176-E	1L
RRSP176-F	2.5L

Neutral Red (0.5% Aqueous)



Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP109-D	500ml
RRSP109-E	1L
RRSP109-F	2.5L
RRSP109-3E-B	3L Dispenser
RRSP109-G	5L
RRSP109-G-B	5L Dispenser

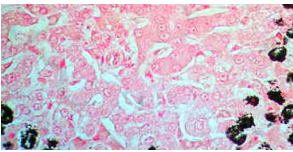
Special Staining



Von Kossa Stain Kit (Strong)

This stain kit is used to visualise calcium deposits in tissue sections. The sections are treated with a silver nitrate solution and silver is deposited by replacing the calcium reduced by strong light which can then be visualised as metallic silver

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK39	Von Kossa (Strong)	Δ	Δ	Δ	Δ



Kit Components

Silver Nitrate 10% solution
Sodium Thiosulphate 5% solution
Neutral Red (0.5% Aqueous) solution

Silver Nitrate 10% Solution



Contains:
Silver Nitrate: <10%

Code	Pack
RRSP173-B	100ml
RRSP173-C	250ml
RRSP173-D	500ml

Sodium Thiosulphate 5% Solution



Contains:
Sodium Thiosulphate: <5%

Code	Pack
RRSP176-D	500ml
RRSP176-E	1L
RRSP176-F	2.5L

Neutral Red (0.5% Aqueous)



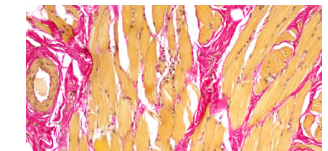
Contains:
Denatured Ethanol: <10%
Neutral Red Powder

Code	Pack
RRSP109-D	500ml
RRSP109-E	1L
RRSP109-F	2.5L
RRSP109-3E-B	3L Dispenser
RRSP109-G	5L
RRSP109-G-B	5L Dispenser

Special Staining



9/10
UK
NEQAS



Weigerts Haematoxylin/Van Gieson Stain Kit

This stain kit is used for the demonstration of collagen fibres. Van Gieson's method is a mixture of two anionic dyes which impart one colour to collagen and another to cytoplasm including muscle fibres and erythrocytes. By using an iron haematoxylin (Weigert's) which is an acid resitant nuclear stain, the Van Gieson counterstain produces the differential staining of the collagen and cytoplasm

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK22	Weigerts Haematoxylin/Van Gieson	Δ	Δ	Δ	Δ

Kit Components

Haematoxylin Weigert Stain A	Acid Alcohol 0.5%
Haematoxylin Weigert Stain B	
Van Gieson Extra Stain	

Haematoxylin Weigerts A



Contains:
Denatured Ethanol: >99%

Code	Pack
RRSP72-D	500ml
RRSP72-E	1L
RRSP72-F	2.5L

Haematoxylin Weigerts B



Contains:
Hydrochloric Acid: <1%
Ferric Chloride: <1%

Code	Pack
RRSP73-D	500ml
RRSP73-E	1L
RRSP73-F	2.5L

Van Gieson Extra



Contains:
Picric Acid: <2.5%

Code	Pack
RRSP539-D	500ml
RRSP539-E	1L
RRSP539-F	2.5L

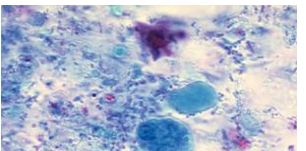
Acid Alcohol 0.5%



Contains:
Denatured Ethanol: >99%
Hydrochloric Acid: <1%

Code	Pack
RRSP186-D	500ml
RRSP186-E	1L
RRSP186-F	2.5L
RRSP186-3E-B	3L Dispenser
RRSP186-G	5L
RRSP186-G-B	5L Dispenser

Special Staining



Wheatleys Trichrome Stain Kit

This stain kit is commonly used for the staining of fecal films to aid in the diagnosis of intestinal protozoa

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK63	Wheatleys Trichrome	Δ	Δ	Δ	Δ

Kit Components

Wheatley's Trichrome Stain	Iodine 2% Alcoholic
Wheatley's Differentiator	
Denatured Ethanol 70%	

Wheatley's Trichrome Stain



Contains:
Acetic Acid: < 5%
Phosphotungstic Acid: <5%

Code	Pack
RRSP3602-D	500ml
RRSP3602-E	1L
RRSP3602-F	2.5L

Wheatley's Differentiator



Contains:
Denatured Ethanol: >90%
Acetic Acid: <1%

Code	Pack
RRSP5699-D	500ml
RRSP5699-E	1L
RRSP5699-F	2.5L

Denatured Ethanol 70%



Contains:
Denatured Ethanol: <70%

Code	Pack
RRSP242-D	500ml
RRSP242-E	1L
RRSP242-F	2.5L

Iodine 2% Alcoholic (for Wheatley's Trichrome)



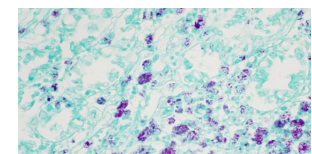
Contains:
Denatured Ethanol: >99%
Iodine: <2%

Code	Pack
RRSP5698-D	500ml
RRSP5698-E	1L
RRSP5698-F	2.5L

Special Staining



10/10
UK
NEQAS



ZN Stain Kit (Malachite Green)

This stain kit is used for the staining of Mycobacterium tuberculosis and other acid fast organisms. The cell walls of Mycobacteria are not readily penetrated so in order to stain Mycobacteria the basic fuchsin is mixed with phenol to make a powerful stain. Heat can be applied to “force” the stain into the bacillus. Once stained the bacillus is very resistant to decolourisation retaining the stain even when the rest of the preparation has been decolourised

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK23	Malachite Green	Δ	Δ	Δ	Δ

Kit Components

Carbol Fuchsin ZN
TB Differentiator x 2
Malachite Green 0.5% Aqueous

Carbol Fuchsin (ZN)



Contains:
Denatured Ethanol: <15%
Phenol: <5%

Code	Pack
RRSP17-D	500ml
RRSP17-E	1L
RRSP17-F	2.5L

TB Differentiator



Contains:
Denatured Ethanol: >97%
Hydrochloric Acid: <3%

Code	Pack
RRSP145-D	500ml
RRSP145-E	1L
RRSP145-F	2.5L

Malachite Green (0.5% Aqueous)



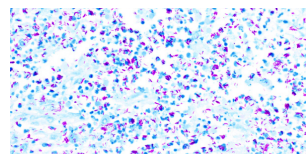
Contains:
Denatured Ethanol: <5%
Malachite Green: <1%

Code	Pack
RRSP86-D	500ml
RRSP86-E	1L
RRSP86-F	2.5L

Special Staining



10/10
UK
NEQAS



ZN Stain Kit (Methylene Blue)

This stain kit is used for the staining of Mycobacterium tuberculosis and other acid fast organisms. The cell walls of Mycobacteria are not readily penetrated so in order to stain Mycobacteria the basic fuchsin is mixed with phenol to make a powerful stain. Heat can be applied to “force” the stain into the bacillus. Once stained the bacillus is very resistant to decolourisation retaining the stain even when the rest of the preparation has been decolourised

		100 Test	200 Test	500 Test	1000 Test
Code	Kit Extension:	- 100	-200	-500	-1000
RRSK24	Methylene Blue	Δ	Δ	Δ	Δ

Kit Components

Carbol Fuchsin ZN
TB Differentiator x 2
Methylene Blue (AFB)

Carbol Fuchsin (ZN)



Contains:
Denatured Ethanol: <15%
Phenol: <5%

Code	Pack
RRSP17-D	500ml
RRSP17-E	1L
RRSP17-F	2.5L

TB Differentiator



Contains:
Denatured Ethanol: >97%
Hydrochloric Acid: <3%

Code	Pack
RRSP145-D	500ml
RRSP145-E	1L
RRSP145-F	2.5L

Methylene Blue Solution (AFB)



Contains:
Denatured Ethanol: <30%
Methylene Blue
Potassium Hydroxide <1%

Code	Pack
RRSP1789-D	500ml
RRSP1789-E	1L
RRSP1789-F	2.5L

Chemicals & Reagents

Acetic Acid 99.85% ACS

Cas No: 64-19-7	Einecs: 200-580-7	UN2789	Flash Point: 40°C
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Minimum Assay: >99.85% w/w
Molecular Formula: CH3COOH
Molecular Weight: 60.05
Freezing Point: 16.35 deg C
Colour: <5HU
Non-Volatile Matter: <0.003% w/w
Permanganate Time: min 2 hours

Code	Pack
GPC8005-E	1L
GPC8005-3E	3x1L
GPC8005-6E	6x1L
GPC8005-12E	12 x 1L

Acetone 99.5% BP

Cas No: 67-64-1	Einecs: 200-662-2	UN1090	Flash Point: -20°C
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Minimum Assay: 99.50%
Molecular Formula: C3H6O
Molecular Weight: 58.08g/mol
Melting Point: -94°C
Water: <0.3%
Acidity (as Acetic Acid): <0.002%

Code	Pack
GPS1003-E	1L
GPS1003-12E	12x1L
GPS1003-F	2.5L
GPS1003-6F	6x2.5L

Borax Decahydrate 99.5-105% ACS

Cas No: 1303-96-4	Einecs: 215-540-4		
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Minimum Assay: 99.9-100.9%
Molecular Formula: Na2B4O7.10H2O
Molecular Weight: 381.37 g/mol
Melting Point: 169 °C
Density at 25°C (g/cm3): 1.73
pH (0.01M soln 25°C): 9.15-9.20
Sodium Oxide (Na2O): 16.4-17.0%
Chloride (Cl): 500ppm
Iron Oxide (Fe2O3): 20ppm
Sulphates (SO4): 400ppm
Water Insoluble Matter: 300ppm
Mesh Size: 2.36mm

Code	Pack
GPC8102-5X	500gm
GPC8102-Y	1Kg
GPC8102-5Y	5Kg
GPC8102-10Y	10Kg

Charcoal Activated Powder DCL320

Cas No: 7440-44-0	Einecs: 231-153-3		
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Molecular Weight: 12.01
Molasses Decolour: >500 (TM3)
Moisture as packed: Particle Size: 60-86
(Total Surface Density(N2 BET Method): <1000m3/g
Methylene Blue: Ash: <4% w/w
Water Extractables: <0.5%

Code	Pack
DCL320-X	100gm
DCL320-5X	500gm
DCL320-Y	1Kg

Chloroform 99.95% ACS

Cas No: 67-66-3	Einecs: 200-663-8	UN1888	
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Minimum Assay: 99.95%
Molecular Formula: CHCl3
Molecular Weight: 119.38g/mol
Melting Point: -63°C
Boiling Point: 61.2°C
Water: <50mg/Kg
Residue on evaporation: <10mg/Kg
Acidity (as HCl): <5mg/Kg

Code	Pack
GPS9009-D	500ml
GPS9009-E	1L
GPS9009-F	2.5L
GPS9009-G	5L

di-Sodium Hydrogen Phosphate Anhydrous 98.5% ACS

Cas No: 7558-79-4	Einecs: 231-448-7		
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Minimum Assay: 99.8%
Molecular Formula: HNa2O4P
Molecular Weight: 141.96
Appearance Form: White Crystalline Powder
pH: 8.9 - 9.2 at 50 g/l at 25 °C
PO2 Content: 49.7%
Vapour density: 4.90 - (Air = 1.0)
Relative density: 1.520 g/cm3
Water solubility: soluble
Relative vapour density 4.90 - (Air = 1.0)

Code	Pack
GPC8034-2X	250gm
GPC8034-5X	500gm
GPC8034-Y	1Kg
GPC8034-5Y	5Kg

Distilled Water

Cas No: 7732-18-5			
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Molecular Formula: H2O
Molecular Weight: 18.02
Boiling Point: 100 deg C
Refractive Index: n20/D 1.34(lit.)
Conductivity: Resistivity: >1MΩ.cm
pH: 5.8-7.5
Nitrite (NO2):
Nitrate (NO3):
Silicon (Si): <0.04gm/L
Silicates (SiO2): Sodium (Na): Chloride (Cl)
: TOC: < 0.15 mg/L
Endotoxins: TVC (2 Days): 0 cfu/ml
TVC (3 Days): 0 cfu/ml

Code	Pack
GPC9023-D	500ml
GPC9023-E	1L
GPC9023-F	2.5L
GPC9023-G	5L
GPC9023-K	25L

D-Limonene 96%

Cas No: 5989-27-5	Einecs: 227-813-5	UN2052	
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Minimum Assay: 96%
Molecular Formula: C10H16
Molecular Weight: 136.24 g/mol
Boiling Point: 170-180 °C
Refractive Index: 1.470-1.475
Water: <0.5%
Optical Rotation(at 25 °C): 85-100
Odour: Orange/Citrus Fruit

Code	Pack
GPS8889-D	500ml
GPS8889-E	1L
GPS8889-F	2.5L
GPS8889-G	5L

EDTA Tetrasodium Salt Dihydrate 99.5%

Cas No: 10378-23-1	Einecs: 200-573-9		
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Minimum Assay: >99.5-99.9%
Molecular Formula: C10H12N2Na4O8.2H2O
Molecular weight: 416.20
Solubility: Water Soluble 0.1 g/ml
pH: 10.5-11.5
Iron (Fe): <0.001%
Heavy Metals (as Pb): <0.002%
Chloride (Cl): <0.01%
Chelating Value: >234

Code	Pack
GPC9995-X	100gm
GPC9995-5X	500gm
GPC9995-Y	1Kg
GPC9995-5Y	5Kg

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Chemicals & Reagents

Ethanol Denatured 70%

Cas No: 67-17-5	Einecs: 200-578-6	UN3082	Flash Point: 14°C
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Ethanol Content: 70%
Molecular Formula: C2H6O
Molecular Weight: 46.07 g/mol
Water: <0.1%
Acidity: <0.001%
Aldehydes & Ketones: <0.07%
Methanol (as denaturant): <3%

Code	Pack
GPS9018-D	500ml
GPS9018-E	1L
GPS9018-F	2.5L
GPS9018-G	5L

Ethanol Denatured 99.9%

Cas No: 7-17-5	Einecs: 200-78-6	UN1170	Flash Point: 14°C
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Minimum Assay: >99.9%
Molecular Formula: C2H6O
Molecular Weight: 46.07 g/mol
Water: <0.1%
Acidity: <0.001%
Aldehydes & Ketones: <0.07%
Methanol (as denaturant): 3-5%

Code	Pack
GPS1000-D	500ml
GPS1000-E	1L
GPS1000-F	2.5L
GPS1000-G	5L

Ethylenediaminetetraacetic acid 98-100.5%

Cas No: 60-00-4	Einecs: 200-449-4		
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Minimum Assay: 99.34%
Molecular Formula: C10H16N2O8
Molecular Weight: 292.24
Melting Point: 245°C
pH: 2.85 (50gm/L @25 deg C)
Water: <0.5%
Heavy Metals (as Pb): <0.0004%
Iron (Fe): <0.0005%
Sulphates (SO4): <0.02%
Chelation Value: 340

Code	Pack
GPC9996-X	100gm
GPC9996-5X	500gm
GPC9996-Y	1Kg
GPC9996-5Y	5Kg

Formaldehyde 37% ACS

Cas No: 50-00-0	Einecs: 200-001-8	UN2209	Flash Point: 62°C
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Minimum Assay: 36.3-36.9%
Molecular Formula: CH2O
Molecular Weight: 30.03 g/mol
Formic Acid: <0.05%
Methanol: 6.0-8.0%
Ash: <0.01%
Iron (Fe): <2ppm
Copper: <2ppm

Code	Pack
GPC8044-D	500ml
GPC8044-E	1L
GPC8044-F	2.5L
GPC8044-G	5L

Glycerol 99.5% ACS

Cas No: 56-81-5	Einecs: 200-289-5		
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Minimum Assay: 99.5%
Molecular Formula: C3H8O3
Molecular Weight: 92.09 g/mol
Melting Point: 20 °C
Solubility in water (% weight): Soluble in water
Flash Point: 160 deg C
Boiling Point: 182 deg C
Refractive Index : 1.470-1.475 nD20
Colour: Clear - Pale Yellow
Storage Temperature: 20-24C

Code	Pack
GPS1005-D	500ml
GPS1005-E	1L
GPS1005-F	2.5L
GPS1005-G	5L
GPS1005-K	25L

Gold Chloride 49.98% ACS

Cas No: 16961-25-4	Einecs: 240-948-4	UN3260	
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Minimum Assay: 49.98%
Molecular Formula AuCl3 HCl .3H2O
Molecular Weight 393.83 g/mol
Alkali Metals: <0.02% w/v
Colour: Yellow/ Orange

Code	Pack
GPC8001-S	1gm
GPC8001-5G	5gm

Hydrochloric Acid 35.0-36.6% ACS

Cas No: 7647-01-0	Einecs: 31-595-7	UN1789	
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Minimum Assay: 35.6-36.6%
Molecular Formula HCl
Molecular Weight 36.46 g/mol
Sulphate (SO4): <0.6%
Iron (Fe): <10ppm
Arsenic (As): <2ppm
Lead (Pb): <2ppm
Copper (Cu): <2ppm
Total organics: <100ppm

Code	Pack
GPC8006-D	500ml
GPC8006-E	1L
GPC8006-3E	3x1L
GPC8006-6E	6x1L
GPS8006-12E	12 x 1L

Industrial Methylated Spirits 99.5%

Cas No: 64-17-5	Einecs: 200-578-6	UN1170	Flash Point: -57°C
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Minimum Assay: >99.5%
Molecular Formula: C2H6O
Molecular Weight: 46.07 g/mol
Boiling Point: 78°C
Melting Point: -114°C
Density at 20°C (g/cm3): 0.785
Refractive Index: 1.361
Water Content: Max 1.43%
Acidity as Acetic Acid: Max 0.003%
Carbonyls as Acetaldehyde: Max 0.1%

Code	Pack
GPS1000-D	500ml
GPS1000-E	1L
GPS1000-F	2.5L
GPS1000-G	5L

IsoPentane 96% (GW)

Cas No: 78-78-4	Einecs: 201-142-8	UN1265	
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Minimum Assay: >96%
Molecular Formula: C5H12
Molecular Weight: 72.15 g/mol
Boiling Point: 30°C
Melting Point: -160°C
Density at 25°C (g/cm3): 0.62
Refractive Index: 1.354

Code	Pack
GWN6298-D	500ml
GWN6298-12D	12 x 500ml
GWN6298-E	1L
GWN6298-6E	6 x 1L

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Chemicals & Reagents

Isopropyl Alcohol 99.9% ACS			
Cas No: 67-63-0	Einecs: 200-61-7	UN1219	Flash Point: 13°C
 	Minimum Assay: >99.9% Molecular Formula: C3H8O Molecular Weight: 60.1 g/mol Melting Point: -89.5 °C Boiling Point: 82.4 °C Water: <0.2% Colour: <10 Hazen		
	Code	Pack	
	GPS1007-E	1L	
	GPS1007-12E	12x1L	
	GPS1007-F	2.5L	
	GPS1007-G	5L	

Methanol 99.85% ACS			
Cas No: 67-56-1	Einecs: 200-69-6	UN1230	Flash Point: 12°C
  	Minimum Assay: 99.85% Molecular Formula: CH3OH Molecular Weight: 32.04 g/mol Flash Point: 11 °C Boiling Point: 64.96 °C Melting Point: -97.8 °C Water: <0.1%		
	Code	Pack	
	GPS1004-E	1L	
	GPS1004-12E	12x1L	
	GPS1004-F	2.5L	
	GPS1004-6F	6x2.5L	

Nitric Acid 69%			
Cas No: 67-63-0	Einecs: 200-61-7	UN1219	Flash Point: 13°C
 	Minimum Assay: >69% Molecular Formula: HNO3 Density: 1.401-1.417 Nitrous Acid: <200ppm Sulphuric Acid: <100ppm Residue On Ignition: <50ppm Iron (Fe): <10ppm		
	Code	Pack	
	GPC9289-D	500ml	
	GPC9289-E	1L	
	GPC9289-6E	6x1L	
	GPC9289-12E	12x1L	

Paraformaldehyde 97%			
Cas No: 30525-89-4	Einecs: 203-632-7	UN2213	
  	Minimum Assay: >97% Molecular Formula: (CH2O)n Molecular Weight: 323.83 g/mol Melting Point: 120-170°C		
	Code	Pack	
	GPC9407-2X	250gm	
	GPC9407-5X	500gm	
	GPC9407-Y	1Kg	

Phenol Detached Crystals 99% ACS			
Cas No: 108-95-2	Einecs: 203-632-7	UN2821	
  	Minimum Assay: >99% Molecular Formula: C6H6O Molecular Weight: 94.11 g/mol Solubility in Water (1 in 12): Clear @ 20 °C Melting Point: 43 °C Boiling Point: 182 °C Storage Temperature: 20-24°C Chlorine (Cl): <1ppm Sulphur (S): <0.5ppm Iron (Fe): <0.1ppm		
	Code	Pack	
	GPC8008-2W	50gm	
	GPC8008-X	100gm	
	GPC8008-2X	250gm	
	GPC8008-5X	500gm	

Phenol Solution 80%			
Cas No: 108-95-2	Einecs: 203-632-7	UN2821	
  	Minimum Assay: >80% Chemical Formula: C6H6O Molecular Weight: 94.11 Water: <20%		
	Code	Pack	
	GPC3354-D	500ml	
	GPC3354-E	1L	

Picric Acid 98%			
Cas No: 88-89-1	Einecs: 88-89-1	UN1344	Flash Point: 150°C
 	Minimum Assay: >98% Moistened with Water Molecular Formula: (O2N)3C6H2OH Molecular Weight: 229.10 Explosive Limits: <0.01 Melting Point: 122-123 °C		
	Code	Pack	
	GPC8021-2W	50gm	
	GPC8021-X	100gm	
	GPC8021-5X	500gm	

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Potassium dihydrogen Phosphate 99-102.00%			
Cas No: 7778-77-0	Einecs: 231-913-4		
Minimum Assay: >100.2% Molecular Formula: KH2PO4 Molecular Weight: 136.09 g/mol Melting Point: 252.6 °C pH (1% Solution): 4.2 - 4.8 Lead (Pb): <1ppm Arsenic (As): <1ppm Cadmium (Cd): <1ppm Mercury (Hg): <1ppm Fluoride (F): < 10ppm	Code	Pack	
	GPC8093-X	100gm	
	GPC8093-2X	250gm	
	GPC8093-5X	500gm	
	GPC8093-Y	1Kg	
	GPC8093-5Y	5Kg	

Di Potassium Hydrogen Phosphate 98% ACS			
Cas No: 7758-11-4	Einecs: 231-834-5		
Minimum Assay: >98% Molecular Formula: K2HPO4 Molecular Weight: 174.18 g/mol Melting Point: 180 °C P2O5: 40.3 - 41.5 pH (1% Solution): 9.0 - 9.4 Lead (Pb): <1ppm Arsenic (As): <1ppm Cadmium (Cd): <1ppm Mercury (Hg): <1ppm Fluoride (F): < 10ppm	Code	Pack	
	GPC8094-X	100gm	
	GPC8094-2X	250gm	
	GPC8094-5X	500gm	
	GPC8094-Y	1Kg	
	GPC8094-5Y	5Kg	

Chemicals & Reagents

Potassium Hydroxide Flake 90%			
Cas No: 1310-58-3	Einecs: 215-181-3	UN1813	
 	Code	Pack	
	GPC8060-5X	500gm	
	GPC8060-Y	1Kg	
	GPC8060-2.5Y	2.5Kg	
	GPC8060-5Y	5Kg	

Minimum Assay: >90%
Molecular Formula: HKO
Molecular Weight: 56.11
Melting Point: 360°C
Boiling Point: 1320-1324°C
Potassium Carbonate (K2CO3):
<0.5%
Potassium Chloride (KCl):
<0.015%
Iron (Fe): <3ppm
Sodium Hydroxide (NaOH):
<5ppm
Sulphated Ash: <5ppm
Bulk Density: 0.8-1.2 g/m3
Lead (Pb): <0.1ppm
Zinc (Zn): <0.2ppm
Arsenic (As): <10ppm

Potassium Hydroxide Pellets 85%			
Cas No: 1310-58-3	Einecs: 215-181-3	UN1813	
 	Code	Pack	
	GPC8025-2X	250gm	
	GPC8025-5X	500gm	
	GPC8025-Y	1Kg	
	GPC8025-5Y	5Kg	

Minimum Assay: >99%
Molecular Formula KOH
Molecular Weight 56.11 g/mol
Melting Point 361 °C

Potassium Sodium Tartrate Tetrahydrate 98%			
Cas No: 6381-59-5	Einecs: 206-156-8		
Minimum Assay: >98% Molecular Formula: C4H4KNaO6·4H2O Molecular Weight: 282.23 Solubility in water (% weight): Soluble in water Chloride (Cl): <0.005% Sulphate (SO4): <0.05% Acidity or Alkalinity: Max 1 ml N%	Code	Pack	
	GPC9920-2X	250gm	
	GPC9920-5X	500gm	
	GPC9920-Y	1Kg	
	GPC9920-5Y	5Kg	

Silver Nitrate 99.9% ACS			
Cas No: 7761-88-8	Einecs: 231-853-9	UN1493	
Minimum Assay: >99.9% Molecular Formula: AgNO3 Molecular Weight: 169.87 g/mol Melting Point: 212 °C Chloride (Cl): <1ppm Sulphate (SO4): <5ppm Copper (Cu): <0.1ppm Iron (Fe): <0.2ppm Lead (Pb): <1ppm	Code	Pack	
	GPC8109-W	25gn	
	GPC8109-2W	50gm	
	GPC8109-X	100gm	
	GPC8109-2X	250gm	

Sodium Azide 99%			
Cas No: 26628-22-8	Einecs: 247-852-1		
  	Code	Pack	
	GPC8029-X	100gm	
	GPC8029-2X	250gm	
	GPC8029-5X	500gm	
	GPC8029-Y	1Kg	

Minimum Assay: >99%
Molecular Formula N3Na
Molecular Weight 65.01 g/mol
Melting Point 275 °C

Sodium Chloride 99.9% BP, ACS, Ph Eur			
Cas No: 7647-14-5	Einecs: 231-598-3		
Minimum Assay: >99.9% Molecular Formula: NaCl Molecular Weight: 58.44 g/mol Melting Point: 801 °C Iron (Fe): <0.1ppm	Code	Pack	
	GPC8030-5X	500gm	
	GPC8030-Y	1Kg	
	GPC8030-5Y	5Kg	
	GPC8030-25Y	25Kg	

Sodium dihydrogen Citrate 99% Anhydrous			
Cas No: 18996-35-5	Einecs: 242-734-6		
Minimum Assay % 99.6% Molecular Formula: C6H7NaO7 Molecular Weight: 214.11 pH (1%): 3.5 - 3.8 Melting Point: 211-212 deg C Heavy metals (Pb): <5 mg/Kg Lead (Pb): <1 mg/Kg Mercury(Hg): <1 mg/Kg Arsenic (As): <1 mg/Kg Iron (Fe): <20.0 mg/Kg Loss on Drying: <0.4mg/Kg Chloride (Cl): <50 mg/Kg Sulphate (SO4): <150mg/Kg	Code	Pack	
	GPC8989-X	100gm	
	GPC8989-5X	500gm	
	GPC8989-Y	1Kg	
	GPC8989-5Y	5Kg	

di-Sodium Hydrogen Phosphate Anhydrous			
Cas No: 7558-79-4	Einecs: 231-448-7		
Minimum Assay: >98.5% Molecular Formula: HNa2O4P Molecular Weight: 141.96 Appearance Form: White Crystalline powder pH: 8.9 - 9.2 at 50 g/l at 25 °C PO2 Content: 49.7% Vapour density: 4.90 - (Air = 1.0) Relative density: 1.520 g/cm3 Water solubility: soluble Relative vapour density 4.90 - (Air = 1.0) Arsenic (As): <1ppm Fluoride (F): <10ppm Lead (Pb): <1ppm Cadmium (Cd): <1ppm Mercury (Hg): <0.5ppm Insoluble Matter: <0.02% Loss on Drying: <0.1%	Code	Pack	
	GPC8034-2X	250gm	
	GPC8034-5X	500gm	
	GPC8034-Y	1Kg	
	GPC8034-5Y	5Kg	

Sodium di-Hydrogen Phosphate Anhydrous 99% ACS			
Cas No: 7558-80-7	Einecs: 231-449-2		
Minimum Assay: 98.0-103.0% Molecular Formula: H2NaO4P Molecular Weight: 119.98 g/mol P2O5 (%m/m): 58.0-60.0 pH (1% Solution): 4.1-4.7 Water Insoluble Matter: <0.2% Fluoride (F): <10ppm Arsenic (As): <3ppm Lead (Pb): <2ppm Cadmium (Cd): <1ppm Mercury (Hg): <1ppm	Code	Pack	
	GPC8032-2X	250gm	
	GPC8032-5X	500gm	
	GPC8032-Y	1Kg	
	GPC8032-5Y	5Kg	

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Chemicals & Reagents

Sodium Formate 99.1%			
Cas No: 141-53-7	Einecs: 205-488-0		

Minimum Assay: <99.1% Molecular Formula: HCOONa Molecular Weight: 68.01 g/mol Melting Point: 259-262 °C Density (g/cm3): 1.92 Chloride (Cl): 0.0004% Sulphate (SO4): 0.0008% Heavy Metals (as Pb): 0.0005% Iron (Fe): <0.0003% Calcium (Ca): <0.0005% Loss on Drying (150 °C): 0.13% pH (5%, in water): 7.90			
	Code	Pack	
	GPC9914-2X	250gm	
	GPC9914-5X	500gm	
	GPC9914-Y	1Kg	
	GPC9914-5Y	5Kg	

Sodium Hydroxide Pearl 99%			
Cas No: 1310-73-2	Einecs: 215-185-5	UN1823	

	Total Alkalinity (NaOH/Kg): 99.0% Molecular Formula: NaOH Molecular Weight: 40.0 g/mol Melting Point: 318.4 °C Sodium Carbonate (Na2CO3): <4g Sodium Chloride (Cl): <0.2%		
	Code	Pack	
	GPC8035-2X	250gm	
	GPC8035-5X	500gm	
	GPC8035-Y	1Kg	
	GPC8035-3Y	3x1Kg	
	GPC8035-6Y	6x1Kg	

Sodium Hydroxide Pellets 99.9% ACS			
Cas No: 1310-73-2	Einecs: 215-185-5	UN1823	

	Minimum Assay: 97.0-100.5% Molecular Formula: NaOH Molecular Weight: 40.0 g/mol Melting Point 318.4 °C Appearance in 10% Solution: Clear and Colour less Chloride (Cl): <200ppm Sulphate (SO4): <50ppm Iron (Fe): <10ppm Heavy Metals (as Pb): <20ppm Arsenic (As): <3ppm Lead (Pb): <0.5ppm Mercury (Hg): <1ppm		
	Code	Pack	
	GPC8036-2X	250gm	
	GPC8036-5X	500gm	
	GPC8036-Y	1Kg	
	GPC8036-3Y	3x1Kg	
	GPC8036-6Y	6x1Kg	

Sodium Hypochlorite 14%			
Cas No: 7681-52-9	Einecs: 231-668-3	UN1791	

	Available Chlorine: >14% Molecular Formula: NaClO Molecular Weight: 74.44 g/mol Sodium Hydroxide (NaOH): 0.2-1% Clarity % Transmission: 79		
	Copper (Cu): <0.2ppm Nitrogen (Ni): <0.1ppm Sodium Carbonate: <1.5% Iron (Fe): <2ppm Cadmium (Cd): <0.1%		
	Code	Pack	
	GPC9939-D	500ml	
	GPC9939-E	1L	
	GPC9939-F	2.5L	
	GPC9939-G	5L	

Sodium Tartrate Dihydrate 99.5%			
Cas No: 6106-24-7	Einecs: 212-773-3		

Minimum Assay: >99.5% Molecular Formula: C4H4Na2O6·2H2O Molecular weight: 230.08 Melting Point: 150°C Heavy Metals (as Pb): <0.002% Arsenic (As): <0.0003% Phosphates (PO4): <0.01% Sulphates (SO4): <0.01% Loss on Drying: 15.2%			
	Code	Pack	
	GPC9921-X	100gm	
	GPC9921-2X	250gm	
	GPC9921-5X	500gm	
	GPC9921-Y	1Kg	

Sulphuric Acid 25%			
Cas No: 7664-93-9	Einecs: 231-639-5	UN2796	

	Minimum Assay: 25% Molecular Formula: H2SO4 Molecular Weight: 98.08		
	Code	Pack	
	GPS1040-D	500ml	
	GPS1040-E	1L	

Sulphuric Acid 96%			
Cas No: 7664-93-9	Einecs: 231-639-5	UN1830	

	Minimum Assay: 95.5-97% Molecular Formula: H2SO4 Molecular Weight: 98.07 g/mol Residue on Ignition: 100mg/Kg Nitrogen Oxides (as N2): 25mg/Kg Chloride (Cl): 5mg/Kg		
	Code	Pack	
	GPC9000-D	500ml	
	GPC9000-E	1L	
	GPC9000-6E	6 x 1L	
	GPC9000-12E	12 x 1L	
	GPC9000-24E	24 x 1L	

Water Purified			
Cas No: 7732-18-5	Einecs: 231-791-2		

Minimum Assay: >99.99% Molecular Formula: H2O Molecular Weight: 18.02 g/mol Boiling Point: 100 °C Melting Point 0 °C uS: <0.5 ppm: <1ppm			
	Code	Pack	
	GPC9600-D	500ml	
	GPC9600-E	1L	
	GPC9600-F	2.5L	
	GPC9600-G	5L	
	GPC9600-K	25L	

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Xylene 98-99% (Mixture of Isomers)			
Cas No: 1330-20-7	Einecs: 215-535-7	UN1307	Flash Point: 25°C

	Minimum Assay: 98-99% Molecular Formula: C8H10 Molecular Weight: 106.17 g/mol Flash Point: 25 °C Boiling Point: 136-143 °C		
			
			
	Code	Pack	
	GPS1001-D	500ml	
	GPS1001-E	1L	
	GPS1001-12E	12 x 1L	
	GPS1001-F	2.5L	
	GPS1001-G	5L	
	GPS1001-4G	4 x 5L	

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