



- Hematoloji
- Bakteriyoloji
- Parazitoloji
- Sitoloji
- Histoloji



REACTIFS
RAL

advanced chromatic detection

LABORATUVAR BOYAMA KİTLERİ

Hematoloji



REACTIFS
RAL

Bakteriyoloji



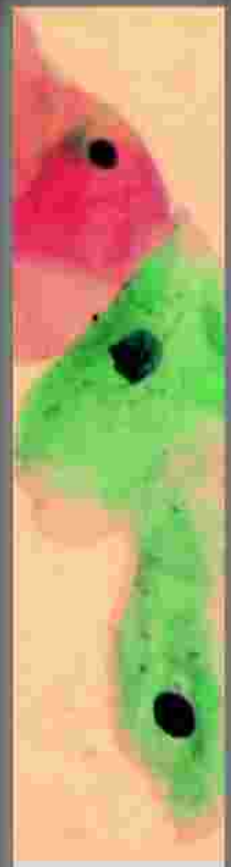
REACTIFS
RAL

Parazitoloji



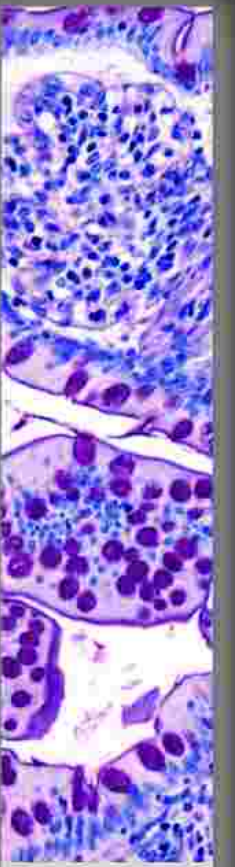
REACTIFS
RAL

Sitoloji



REACTIFS
RAL

Histoloji



REACTIFS
RAL

REACTIFS
RAL

LABORATUVAR BOYAMA KİTLERİ

REACTIFS
RAL

advanced chromatic detection

Experience

REACTIFS
RAL



1916 yılında, Louis Pasteur'ün çalışma arkadaşları, Prof.Roux ve Prof.Legroux, Kulhman Industries şirketinin genel müdürü Mr.Agulhon ile birlikte RAL'i kurmuşlardır.

O günden itibaren yaklaşık bir asırdır, RAL, boyama ürünleri ile in vitro diagnostik alanında Fransa'da ve Dünya'nın diğer ülkelerinde referans marka olmuştur.

Quality

CE



Yılların deneyimi ve kullandığı üstün teknoloji ile, RAL, hem küçük hem de büyük laboratuvarların boyama materyali ihtiyaçlarına cevap verecek nitelikte hizmet sunmaktadır. Yüksek kalite hizmet ve ürün arayan herkese RAL hizmet sağlamaktadır. Ürünler, üretimin her aşamasında test edilmektedir. RAL ürünleri CE onayı almıştır ve ISO 9001:2000 sertifikalıdır.



Innovation



RAL, araştırma ve geliştirmeye büyük önem vermektedir. Bu amaçla, yıllık cirosunun % 10'unu Araştırma ve Geliştirmeye ayırmaktadır. AR-GE departmanı, laboratuvar uzmanlarının ihtiyaçlarına cevap vermek için biyoloji, kimya, cihaz ve bilgisayar modelleri konularında sürekli araştırma, geliştirme çalışmaları ile liderlik yapmakta ve RAL'in itibarını sürdürmektedirler.

Çeşitli Uygulamalar için Diğer Ürünler

RAL Immersiyon Yağları

| | Reference | Packing |
|-------------------------------|-------------|-----------------------------|
| V DropStand with DropStick® | 340055-0000 | 1 x 10 ml and 1 DropStand® |
| Immersion Oil RAL, 50 ml | 340075-0000 | 1 x 50 ml |
| Pack DropStand® Immersion 30 | 340031-0000 | 3 x 10 ml and 1 DropStand® |
| Pack DropStand® Immersion 100 | 340101-0000 | 10 x 10 ml and 1 DropStand® |
| Pack Immersion 100 | 340100-0000 | 10 x 10 ml (100ml) |
| Pack Immersion 150 | 340150-0000 | 6 x 25 ml (150 ml) |
| Pack Immersion 300 | 340300-0000 | 6 x 50 ml (300 ml) |

Eukitt®: Mounting Medium

| | | |
|---------------------------------|---------|--------------------|
| Eukitt®, Manual Mounting Medium | 361190- | 0100, 0250, 500 ml |
| See complete information p12 | | |

pH Indicators

| | Reference | Packing |
|---|-----------|--------------------------|
| Alizarin Red S - pH Indicator Transition: 3.7 - 5.2 | 315450- | 0100 g |
| Alphanaphtolphtalein - pH Indicator Transition: 7.4 - 8.6 | 315660- | 0005, 0025 g |
| Bromocresol Green - pH Indicator Transition: 3.8 - 5.4 | 317830- | 0025 g |
| Bromocresol Green, sodium salt - pH Indicator Transition: 3.8 - 5.4 | 360410- | 0025 g |
| Bromocresol Purple - pH Indicator Transition: 5.2 - 6.8 | 316180- | 0005, 0025 g |
| Bromochlorophenol Blue - pH Indicator Transition: 3.2 - 4.8 | 361060- | 0005, 0025 g |
| Bromophenol Blue - pH Indicator Transition: 3.0 - 4.6 | 310650- | 0025 g |
| Bromophenol Blue, sodium salt - pH Indicator Transition: 3.0 - 4.6 | 360040- | 0025 g |
| Bromophenol Red - pH Indicator Transition: 4.7 - 6.3 | 316590- | 0005, 0025 g |
| Bromothymol Blue - pH Indicator Transition: 6.0 - 7.6 | 310680- | 0025 g |
| Bromothymol Blue, 0.02 % in aqueous solution | | |
| pH Indicator Transition: 6.0 - 7.6 | 318120- | 0125, 1000 ml |
| Bromothymol Blue, sodium salt - pH Indicator Transition: 6.0 - 7.6 | 360050- | 0125 g |
| Bromoxylene Blue - pH Indicator Transition: 5.0 - 8.0 | 310700- | 0005, 0025 g |
| Chlorophenol Red - pH Indicator Transition: 4.6 - 7.0 | 316650- | 0005, 0025 g |
| Cresol Red - pH Indicator Transition: 7.2 - 8.8 | 316710- | 0005, 0025 g |
| Crystal Brilliant Green - pH Indicator Transition: 0.0 - 2.6 | 317800- | 0025, 0100 g |
| Eosin Y - pH Indicator Transition: 1.0 - 3.8 | 312710- | 0025, 0100, 0250, 1000 g |
| Erythrosin B - pH Indicator Transition: 0.0 - 3.5 | 350150- | 0025, 0100 g |
| Indigo Carmine - pH Indicator Transition: 11.6 - 14.0 | 311510- | 0025, 0100 g |
| Litmus, pure soluble - pH Indicator Transition: 4.8 - 8.3 | 317420- | 0025, 0100 g |
| Metacresol Purple - pH Indicator Transition: 7.6 - 9.2 | 316210- | 0005, 0025 g |
| Metanil Yellow - pH Indicator Transition: 1.2 - 2.8 | 315490- | 0025, 0100 g |
| Methyl Green - pH Indicator Transition: 0.2 - 1.8 | 317910- | 0005, 0025 g |
| Methyl Orange - pH Indicator Transition: 3.0 - 4.4 | 313400- | 0025, 0100 g |
| Methyl Orange, 0.04 % in aqueous solution | | |
| pH Indicator Transition: 3.0 - 4.4 | 361790- | 1000 ml |
| Methyl Red - pH Indicator Transition: 4.0 - 6.0 | 361580- | 0100 g |
| Methyl Red, 0.02% in alcoholic solution | | |
| pH Indicator Transition: 4.0 - 6.0 | 361870- | 0500 ml |
| Methyl Red, 0.02% in aqueous solution | | |
| pH Indicator Transition: 4.0 - 6.0 | 328300- | 0125 ml |
| Methyl Yellow - pH Indicator Transition: 2.9 - 4.0 | 312200- | 0025, 0100 g |
| Neutral Red - pH Indicator Transition: 6.8 - 8.0 | 316800- | 0025, 0100 g |
| | 315370- | 0025, 0100 g |
| | 315690- | 0025 g |
| Ortocresolphtalein - pH Indicator Transition: 8.2 - 9.8 | 333700- | 0100 g |
| Paranitrophenol - pH Indicator Transition: 5.4 - 6.6 | 360070- | 0005, 0025 g |
| Paraxylene Blue - pH Indicator Transition: 1.2 - 2.8 / 8.0 - 9.6 | 315700- | 0025, 0100 g |
| Phenolphthalein - pH Indicator Transition: 8.3 - 10.0 | | |
| Phenolphthalein, 0.05% in hydro-alcoholic solution | | |
| pH Indicator Transition: 8.3 - 10.0 | 320730- | 0125 ml |
| Phenol Red - pH Indicator Transition: 6.6 - 8.2 | 316830- | 0025, 1000 g |
| Phenol Red, sodium salt - pH Indicator Transition: 6.6 - 8.2 | 360660- | 0025 g |
| Thiazol Yellow - pH Indicator Transition: 11.0 - 13.0 | 314310- | 0025 g |
| Thymol Blue - pH Indicator Transition: 1.2 - 2.8 / 8.0 - 9.2 | 311160- | 0025 g |
| Thymol Blue, sodium salt | | |
| pH Indicator Transition: 1.2 - 2.8 / 8.0 - 9.2 | 360060- | 0025 g |
| Thymolphthalein - pH Indicator Transition: 8.8 - 10.4 | 315750- | 0025 g |
| Resazurin - pH Indicator Transition: 3.8 - 6.4 | 316400- | 0025 g |
| Rosolic Acid - pH Indicator Transition: 6.8 - 8.2 | 361570- | 0025, 0100 g |
| Universal Indicator- Transition range from 6.8 to 8.2 | 318450- | 0125, 1000 ml |

This is an extract of catalogue, for further information about ready-to-use solutions or powders, please feel free to contact us.

V = Veterinerlikte kullanım için

New in 2008!

Kit Fluo-RAL

Mikobakteri aranması için hızlı ve güvenli yöntem

Yeni metanolsüz fluoresan test

■ Sensitivite:

Auramine boyama kiti, geleneksel ısıtmalı Zn boyaması kadar verimli sonuçlar üretmektedir.

■ Güvenilir sonuçlar:

Bu floresan teknoloji, görsel yorgunluğu azaltarak, kullanıcının konsantrasyon ve dikkatini artırmakta ve daha güvenilir sonuçlar ortaya çıkmasını sağlamaktadır

■ Kullanıma hazır reaktifler:

Kit, toksik olabilecek reaktifler içermez. Ayrıca karışımlar hazırlanmasını da gerektirmez. Kullanıma hazırdır. Kit, tespit materyali, ilk boyama ve sayıma yönelik boyama materyallerinin tümünü içinde hazır olarak bulundurmaktadır.

Kit Fluo-RAL, Code: 359000-0000

Fixative Fluo-RAL (1 X 250 ml)

Auramine Fluo-RAL (1 X 125 ml)

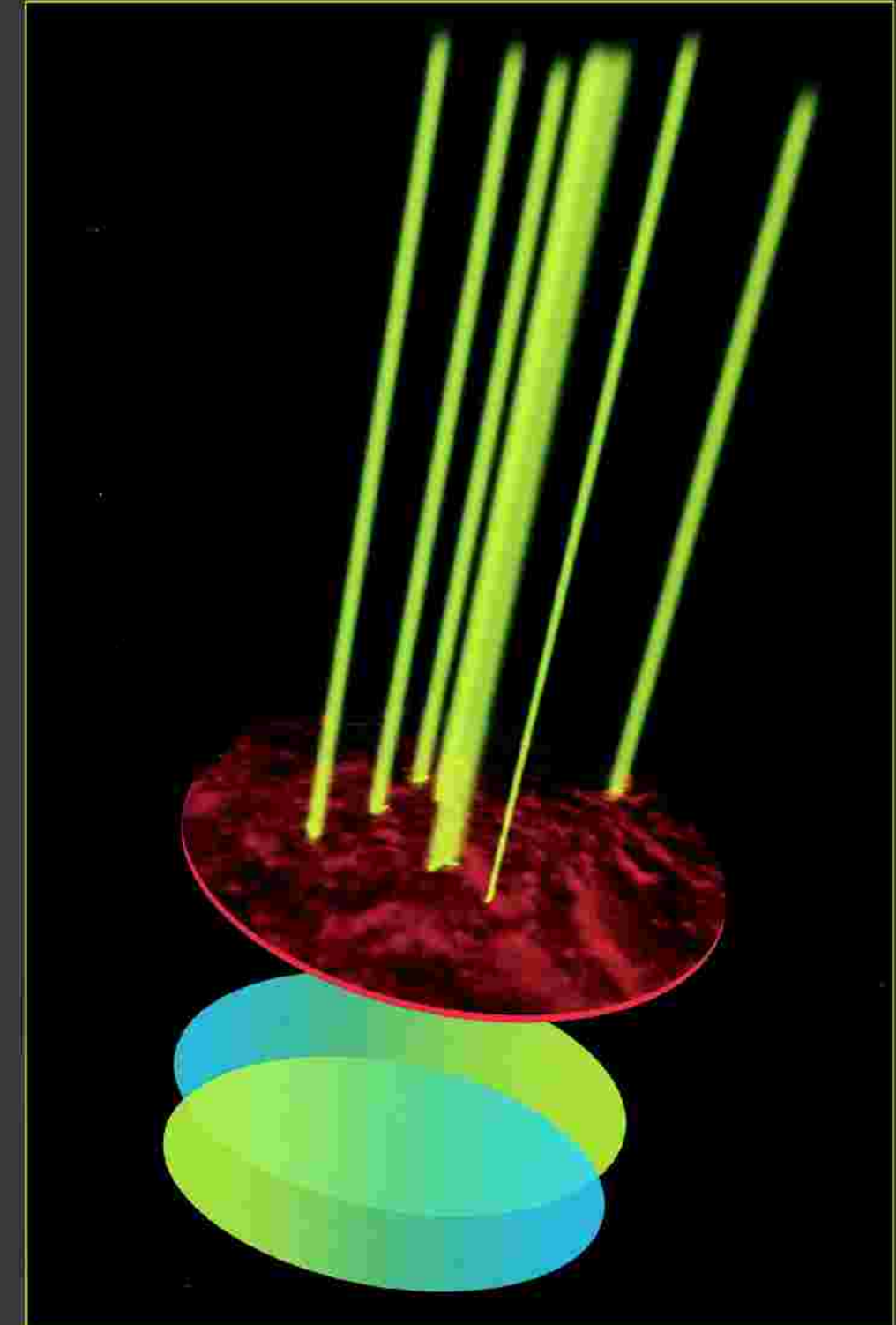
Carbolic Solution for Auramine Fluo-RAL (1 X 125 ml)

Degommier Discolouring Solution Fluo-RAL (1 X 250 ml)

Thiazine Red Fluo-RAL (1 X 125 ml)

Carbolic Solution for Thiazine Red Fluo-RAL (1 X 125 ml)

Also available in separate bottles.



RAL Reactifs'ten Yeni Ürünler

DropSticks® & DropStand®

Immersion Yağı için 2 farklı tipte ambalaj sunumu

In order to meet the different rates of use, RAL completes its Immersion Oil product line. From now on, these two new types of containers come available with an integrated DropStand®.



Pack DropStand® Immersion 30 (3 X 10 ml) Pack DropStand® Immersion 100 (10 X 10 ml)

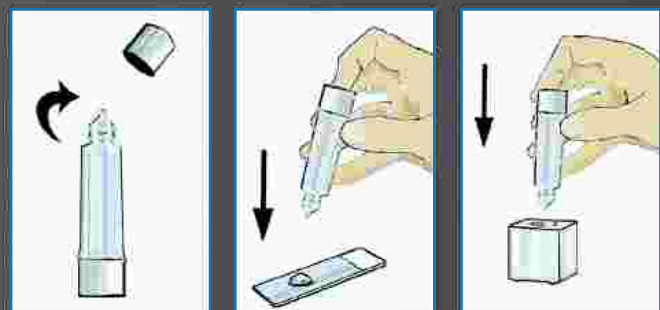
DropSticks®:

The DropSticks® comes as a small 10-mL vial with a built-in dropper. One-hand operable, it delivers with a simple push the exact amount of immersion oil necessary to a slide. The DropSticks® that are part of the RAL Immersion Packs just as perfectly as they look and feel.

DropStand®:

The DropStand® is a small stand that can be used with a DropStick® to keep it in its ready-to-use position, uncapped and upside down. Clean, functional and stable, the DropStand® allows you to use the DropStick® with just one hand right down to the last drop.

Simply remove the cap from the DropStick®, apply the immersion oil to your slide, then place the DropStick® in its home on the DropStand® base.



References:
- Pack DropStand® Immersion 100 (10 X 10 ml), Code: 340101-0000
- Pack DropStand® Immersion 30 (3 X 10 ml), Code: 340031-0000
(For other available containers, see page 5)

Giemsa Solüsyonu ile Boyama

| | Reference | Packing |
|----------------------------------|-------------|---------------------------|
| Giemsa R Solution | 320310- | 0125, 0500, 1000, 2500 ml |
| Giemsa L Solution | 320300- | 0125, 1000 ml |
| pH = 7.0 Buffer Powder (6 doses) | 361600-0000 | 6 doses for 6 x 1 litre |

See the complete range in Haematology section p.5

Hemosiderinin Tespiti için Perls Boyama (Ferric salts - Prussian Blue)

In an acid environment, ferric ions react with potassium ferrocyanide what leads to a precipitate called Ferric Ferrocyanide (Prussian blue). It points out the presence of a pathological pigment: Haemosiderin.

| | Reference | Packing |
|--|-------------|------------|
| ◆ Kit HistoPerls | 361850-0000 | 1 kit |
| Number of Tests possible | | 50 slides |
| Kit Components | | |
| Nuclear Red Solution | | 1 x 100 ml |
| Acid Buffer and Potassium Ferrocyanide | | 10 x 5 ml |

Glusidlerin Tespiti için P.A.S. Boyama (nötral veya asit fonksiyon ile)

| | Reference | Packing |
|----------------|-----------|---------------------|
| Mayer Haemalum | 320550- | 1000, 2500 ml |
| Schiff Reagent | 320680- | 0250, 0500, 1000 ml |

Lipidlerin Tespiti için Boyama

Sudan Black stain proves to be insoluble in aqueous media, but soluble in lipidic and alcoholic media. In a buffered phosphatized medium and in presence of alcohol, sudanophilic granules catch the stain and appear dark blue, whereas cytoplasm of the cells remains colourless.

| | Reference | Packing |
|---------------------------------------|-------------|------------|
| ◆ Kit Noir Soudan (Sudan Black Kit) | 361290-0000 | 1 kit |
| Number of Tests possible | | 100 slides |
| Kit Components | | |
| Sudan Black Kit in Alcoholic Solution | | 1 x 100 ml |
| Buffer Solution | | 1 x 100 ml |

Histolojide Diğer Boyalar

Fiksatifler

| | Reference | Packing |
|--------------------------------------|-----------|---------------------|
| Bouin Fixatives | | |
| Bouin Fixative in Aqueous Solution | 320700- | 1000, 2500, 5000 ml |
| Bouin Fixative in Alcoholic Solution | 320710- | 1000, 2500, 5000 ml |
| Bouin-Hollande Fixative | 320860- | 1000, 2500, 5000 ml |

Formalin

| | | |
|------------------------|---------|----------------------|
| Buffered Formalin, 10% | 320720- | 2500, 5000, 10000 ml |
|------------------------|---------|----------------------|

Cryotomy

| | Reference | Packing |
|--|-----------|--------------|
| CryoRAL, Aerosol for Instant Freezing of Anatomical Specimens | | |
| CryoRAL Aerosol | 361405- | 0300, 0500 g |

Mounting Medium

| | Reference | Packing |
|---|-----------|--------------------|
| Eukitt®, Quick Hardening Mounting Medium. It can be used in any application for slides preservation and collection | | |
| Quick hardening mounting medium for a good preservation of histological preparations. Colourless, its refractive index is very similar to the one of glass. Eukitt® remains stable under light or UV. | | |
| Eukitt®, Manual Mounting Medium | 361190- | 0100, 0250, 500 ml |

Decalcifier for Anatomical Specimens

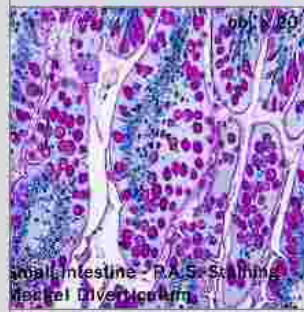
| | Reference | Packing |
|---|-----------|---------------|
| OsteoRAL R, Decalcifier for Large Anatomical Specimens | | |
| OsteoRAL R | 320715- | 1000, 2500 ml |
| OsteoRAL L, Decalcifier for Small Anatomical Specimens | | |
| OsteoRAL L | 320705- | 1000 ml |

V = Veterinerlikte kullanım için

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Kit Histo Perls



Small intestine - P.A.S. Staining
Mucosal Diverticulum



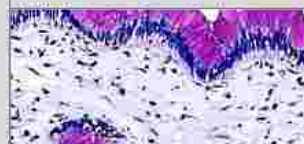
CryoRAL

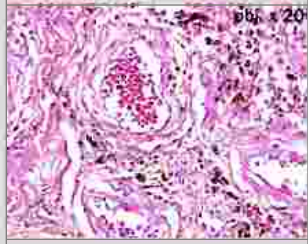


Kit Noir Soudan
(Sudan Black Kit)



OsteoRAL R and L

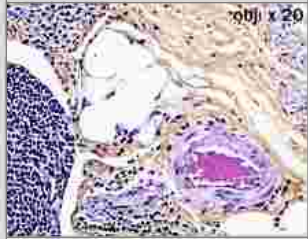




Synovial - HE Staining
Pigmented Villonodular Synovitis



Haematoxylin
Eosin - Saffron



Normal Appendix - HES Staining



Kit Trichrome de Masson,
Green Light Variation



Liver - Trichrome de Masson, Aniline Blue
Variation - Haemochromatosis



HİSTOLOJİ

Rutin Histolojik ve Histokimyasal Boyalar

v Bikromik Boyama: Hematoksilin-Eosin ve Türleri

| | Reference | Packing |
|--|-----------|---------------------|
| Harris Haematoxylin | 361070- | 0500, 1000, 2500 ml |
| or Harris Haematoxylin Stabilized Solution, mercury free | 361075- | 0500, 1000, 2500 ml |
| or Mayer Haemalum | 320550- | 1000, 2500 ml |
| or Mayer Haematoxylin | 361620- | 0125, 0500 ml |
| Eosin, 1% in aqueous solution | 312740- | 0125, 1000, 2500 ml |
| or Eosin in alcoholic solution | 312720- | 0100, 0125 ml |
| or Erythrosin 239, 1% in aqueous solution | 361820- | 0125, 1000 ml |
| or Phloxine B, 3% in aqueous solution | 350750- | 0125, 1000 ml |

v Saffron ekleyerek Trikromik Boyama: Hematoksilin-Eosin-Saffron ve Türleri

| | Reference | Packing |
|-------------------------------|-----------|---------------------|
| Saffron in Alcoholic Solution | 369200- | 0250, 0500, 1000 ml |
| or Saffron, pure stigma | 317000- | 0010 g |
| or Saffron, pure powder | 369000- | 0010 g |

Ekstemporanöz incelemeler için Boyama

| | Reference | Packing |
|--------------------------|--------------------|---------------------------|
| ◆ Kit Extempo-RAL | 361660-0000 | 1 kit (3 x 100 ml) |
| Number of Tests possible | | 100 to 200 slides |
| Refill Extempo FIX-RAL | 363510- | 1000 ml |
| Refill Extempo EOSIN-RAL | 363620- | 1000 ml |
| Refill Extempo BLUE-RAL | 363730- | 1000 ml |

Or

| | Reference | Packing |
|-------------------------|-----------|---------------|
| Carbolic Toluidine Blue | 320130- | 0125, 1000 ml |

Standard Histolojik ve Histokimyasal Boyama

Fixed ve Parafinlenmiş Doku Parçalarının Histolojik ve Sitolojik incelemeler için Boyama

| | Reference | Packing |
|---|--------------------|--------------|
| ◆ Kit Trichrome de Masson, Light Green Variation | 361350-0000 | 1 kit |
| Number of Tests possible | | 60 slides |
| Kit Components | | |
| Mayer Haemalum | | 1 x 100 ml |
| Ponceau Fuchsin | | 1 x 100 ml |
| Phosphomolybdic Acid | | 1 x 100 ml |
| Light Green | | 1 x 100 ml |
| 1% Acetic Water | | 2 x 100 ml |

◆ Kit Trichrome de Masson, Aniline Blue Variation 361670-0000 1 kit

| | | |
|--------------------------|--|------------|
| Number of Tests possible | | 60 slides |
| Kit Components | | |
| Mayer Haemalum | | 1 x 100 ml |
| Ponceau Fuchsin | | 1 x 100 ml |
| 1% Acetic Water | | 2 x 100 ml |
| Phosphomolybdic Acid | | 1 x 100 ml |
| Aniline Blue | | 1 x 100 ml |

Fixed ve Parafinlenmiş Doku Parçalarının Histolojik ve Sitolojik incelemeleri için Hızlı Boyama

| | Reference | Packing |
|--------------------------|--------------------|---------------------------|
| ◆ Kit RAL 555 | 361550-0000 | 1 kit (3 x 100 ml) |
| Number of Tests possible | | 100 to 200 slides |
| Or single bottles | | |
| FIX-RAL 555 | 362870- | 0100, 1000, 2500 ml |
| EOSIN-RAL 555 | 361640- | 0100, 1000, 2500 ml |
| BLUE-RAL 555 | 361650- | 0100, 1000, 2500 ml |

RAL Reactifs'ten Yeni Ürünler

pH Tamponları

Paketlenmiş ve kullanıma hazır solüsyonlar

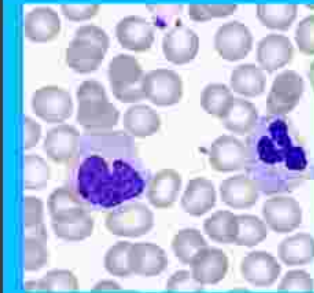
pH=6.8

pH=7.0

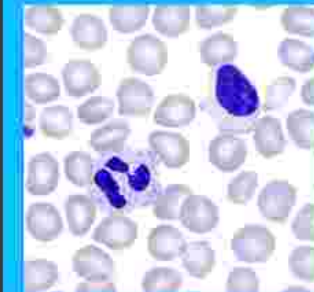
pH=7.2



Example of a pH buffer use
in haematology
(100x mag)



At pH=6.8 erythrocytes
(red blood cells)
appear beige-pink coloured.



At pH=7.0 erythrocytes
appear greyish-beige coloured.



At pH=7.2 erythrocytes
appear greyish-purple coloured.

Due to unpredictable and uncontrollable variations in its pH that can compromise staining results, the use of tap water is excluded. The choice of pH will depend on the usual procedures by each laboratory.

RAL Reagents now offers three pH formulations 6.8 ; 7.0 and 7.2, both available in two versions:

- In packs of 6 doses, each of which yielding to 1 liter of reconstituted buffered water
- In ready-to-use solutions of 1-5 liters

Our buffered solutions maintain constant pH levels during the entire staining or biological reactions. They will give you perfectly reproducible and quality stainings. RAL phosphate-based buffer solutions are safe for the user.



Six-dose Packs, references:

- pH=6.8 Buffer Powder: 363568-0000 (6 doses for 6 X 1L)
- pH=7.0 Buffer Powder: 361600-0000 (6 doses pour 6 X 1L)
- pH=7.2 Buffer Powder: 363572-0000 (6 doses pour 6 x 1L)

Ready-to-use Solutions, references:

- pH=6.8 Buffer Solution: 330368 -1000, -5000 ml
- pH=7.0 Buffer Solution: 330370 -1000, -5000 ml
- pH=7.2 Buffer Solution: 330372 -1000, -5000 ml

HEMATOLOJİ

May-Grünwald Giemsa Boyama Kiti

Medullar ve Kan Smearlarının Sitolojik incelemeleri için May-Grünwald Giemsa Boyama

| | Reference | Packing |
|-------------------------------------|-------------|---------------------------|
| V May-Grünwald Solution | 320070- | 0125, 0500, 1000, 2500 ml |
| V Giemsa R Solution | 320310- | 0125, 0500, 1000, 2500 ml |
| Giemsa L Solution | 320300- | 0125, 1000 ml |
| V pH = 7.0 Buffer Powder (6 doses) | 361600-0000 | 6 doses for 6 x 1 litre |
| Or pH = 6.8 Buffer Powder (6 doses) | 363568-0000 | 6 doses for 6 x 1 litre |
| Or pH = 7.2 Buffer Powder (6 doses) | 363572-0000 | 6 doses for 6 x 1 litre |
| Or pH = 7.0 Buffer Solution | 330370- | 1000, 5000 L |
| Or pH = 6.8 Buffer Solution | 330368- | 1000, 5000 L |
| Or pH = 7.2 Buffer Solution | 330372- | 1000, 5000 L |

The importance of Buffers

Assures a good quality of staining and a perfect reproducibility.

It is highly recommended not to use tap water, as unpredictable and uncontrollable variations may occur.

Choosing between Giemsa R or Giemsa L Solutions

Giemsa R is a fast stain, reacting in 10 minutes. It is used for dry smears and thick blood smears.

Giemsa L is a slow stain, reacting in 20 minutes. It is used for wet smears and tissue sections.

May-Grünwald Boyaların Ana Türleri

Kit RAL 555, May-Grünwald Giemsa Boyamının Hızlı Etki Eden Türleri

| | Reference | Packing |
|-------------------|-------------|---------------------|
| V ♦ Kit RAL 555 | 361550-0000 | 1 kit (3 x 100 ml) |
| Or single bottles | | |
| FIX-RAL 555 | 362870- | 0100, 1000, 2500 ml |
| EOSIN-RAL 555 | 361640- | 0100, 1000, 2500 ml |
| BLUE-RAL 555 | 361650- | 0100, 1000, 2500 ml |

Advantages

Quick staining: 15 seconds.

Ready-to-use products: no dilution required.

Simple use: three wide-necked bottles for a direct introduction of slides.

Limited oxidation and reduced evaporation risks: no transfer necessary.

Use

| | |
|--------------------------|-------------------|
| Number of Tests possible | 100 to 200 slides |
| Length of one Test | 15 seconds |
| Storage Temperature | 15-25°C |
| Shelf Life after Opening | 2 months |

Other applications

In Cyto-Bacteriology: cytology of urines, biological liquids, cytopunctures and CRL

In Histo-Cytology: cytology of fixed and paraffined tissue sections, cytology of punctions (breast and deep organs), effusion fluids of serous membranes (pleura, peritoneum...)

In Parasitology: Trichomonas, Microfilaria; Tissular Protozoa (Leishmania, Toxoplasma, Microsporidia), Cryptosporidium, Pneumocystis carinii, fungi contributing to deep mycosis

In Veterinary Parasitology: Piroplasm, M. pachydermatis)

Wright Boyama Kiti

| | Reference | Packing |
|-----------------|-----------|---------------------|
| Wright Solution | 320400- | 0125, 1000, 2500 ml |

Leishman Boyama Kiti

| | Reference | Packing |
|-------------------|-----------|---------------------|
| Leishman Solution | 361390- | 0500, 1000, 2500 ml |

V = Veterinerlikte kullanım için

5

SİTOLOJİ

Hormonal Sitoloji

Papanicolaou Boyama

| | Reference | Packing |
|--|-----------|---------------------|
| Harris Haematoxylin | 361070- | 0500, 1000, 2500 ml |
| Harris Haematoxylin Stabilized Solution, mercury free | 361075- | 0500, 1000, 2500 ml |
| OG6 Papanicolaou Solution | 361630- | 0500, 1000, 2500 ml |
| EA50 Papanicolaou Solution | 367600- | 0500, 1000, 2500 ml |

Harris-Shorr Boyama

| | Reference | Packing |
|--|-----------|---------------------------|
| Harris Haematoxylin | 361070- | 0500, 1000, 2500 ml |
| Harris Haematoxylin Stabilized Solution, mercury free | 361075- | 0500, 1000, 2500 ml |
| Shorr Solution | 361100- | 0125, 0500, 1000, 2500 ml |

Sperm Sitolojisi

Spermositogramlar

Morphological Study of Spermatozoa

| | Reference | Packing |
|-----------------|-------------|---------|
| ♦ Kit SpermSCAN | 366510-0000 | 1 kit |

Spermositogram için hızlı boyama

Number of tests possible

50 to 70 slides

Kit Components

| | |
|------------------|-----------|
| Spermo FIX-RAL | 1 x 50 ml |
| Spermo EOSIN-RAL | 1 x 50 ml |
| Spermo BLUE-RAL | 1 x 50 ml |

Spermositogram için Papanicolaou Boyama

| | Reference | Packing |
|----------------------------|-----------|---------------------|
| Harris Haematoxylin | 361070- | 0500, 1000, 2500 ml |
| OG6 Papanicolaou Solution | 361630- | 0500, 1000, 2500 ml |
| EA50 Papanicolaou Solution | 367600- | 0500, 1000, 2500 ml |

Spermogramlar

Differentiation of Dead from Living Spermatozoa to determine vitality rate

| | Reference | Packing |
|-------------------|-------------|---------|
| ♦ Kit Vita-Eosine | 380420-0000 | 1 kit |

Number of Tests possible

1 000 slides

Kit Components

| | |
|-------------------|------------|
| Eosin Solution | 1 x 100 ml |
| Nigrosin Solution | 1 x 100 ml |

Fiksatif Solüsyonlar

CytoRAL: Servikal smear, idrar, sputa ve bronko-alveolar sıvılar için kullanılan sitolojik smearlar için fiksatif solüsyonlar

| | Reference | Packing |
|----------------------|-----------|---------------|
| V CytoRAL, Aerosol | 361400- | 0075, 0150 ml |
| V CytoRAL, Vaporizer | 361415- | 0100 ml |

V = Veterinerlikte kullanım için

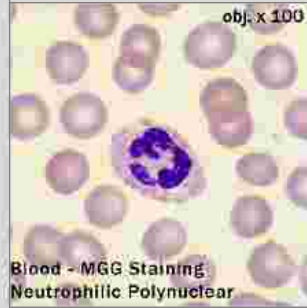
10



Bone marrow - MGG Staining
Acute Myeloid Leukaemia



May-Grünwald Giemsa



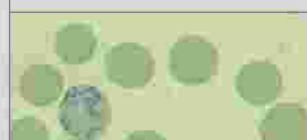
Blood - MGG Staining
Neutrophilic Polynuclear



Kit RAL 555



Blood - Kit RAL 555
Lymphocyte



Papanicolaou



Cervical Smear - Papanicolaou Staining
Human Papilloma Virus Infection



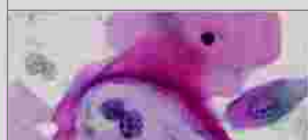
Kit Vita-Eosine



Sperm - Kit Vita-Eosine
1 Dead & 2 Living Spermatozoa



CytoRAL



PARAZİTOLOJİ

Parazitik Koproloji

Kit Copro-Duo: Parazitik Koprolojide Komple Kit

| | Reference | Packing |
|---------------------------------------|--------------------|--------------|
| V ◆ Kit Copro-Duo 2 x 12 tests | 362400-0000 | 1 kit |
| V ◆ Kit Copro-Duo 2 x 24 tests | 362350-0000 | 1 kit |

Two concentration techniques: MIF and Bailenger.

| | Kit Components 2 x 12 | Kit Components 2 x 24 |
|---|-----------------------|-----------------------|
| Merthiolate-Formalin (M.F. solution) | 1 x 200 ml | 2 x 200 ml |
| Lugol, Concentrated solution | 1 x 3 ml | 2 x 3 ml |
| Aceto-Acetic Buffer pH=5.0 according to Bailenger | 1 x 200 ml | 2 x 200 ml |
| Spatula | 24 | 48 |
| Individual single-use tube racks | 12 | 24 |
| 30 ml Sedimentation Tubes | 24 | 48 |
| 10 ml Centrifugation Tubes | 24 | 48 |

| | Reference | Packing |
|------------------------|--------------------|--------------|
| ◆ Kit MIF-Color | 361410-0000 | 1 kit |

One single technique for concentrating, staining and preserving parasitic elements.

Number of Tests possible 50 to 100 slides

| Kit Components | |
|--|------------|
| Merthiolate-Formalin (M.F. Solution for kit MIF) | 2 x 125 ml |
| Lugol, Concentrated Solution | 1 x 20 ml |

Also available

| | Reference | Packing |
|----------------------|-----------|---------|
| Merthiolate Tincture | 361420- | 0250 ml |

Medikal ve Veteriner Biyolojide Doku ve Kan parazitleri için Hızlı Boyama

Kit RAL 555: Parazitoloji ve Mikolojide Hızlı Boyama kiti

Fast Acting Variation of May-Grünwald Giemsa Technique for Staining of Plasmodium, Trichomonas, Microfilaria, Tissue Protozoa (Leishmania, Toxoplasma, Microsporidia), Cryptosporidium, Pneumocystis carinii, Fungi contributing to deep Mycosis and for Veterinary Parasitology (Piroplasms, M. pachydermatis)

| | Reference | Packing |
|------------------------|--------------------|---------------------------|
| V ◆ Kit RAL 555 | 361550-0000 | 1 kit (3 x 100 ml) |

Number of Tests possible 100 to 200 slides

Or single bottles

| | | |
|---------------|---------|---------------------|
| FIX-RAL 555 | 362870- | 0100, 1000, 2500 ml |
| EOSIN-RAL 555 | 361640- | 0100, 1000, 2500 ml |
| BLUE-RAL 555 | 361650- | 0100, 1000, 2500 ml |

Parazitoloji ve Mikolojide Giemsa Boyama

| | Reference | Packing |
|--------------------------------|-----------|---------------------------|
| Giemsa R Solution | 320310- | 0125, 0500, 1000, 2500 ml |
| pH=7.0 Buffer Powder (6 doses) | 361600- | 6 doses for 6 x 1 litre |

See the complete range in Haematology section p.5

Mikoloji

| | Reference | Packing |
|--------------------|-----------|---------|
| V Lactophenol Blue | 363060- | 0125 ml |

Advantage

Using Lactophenol Blue allows to simultaneously clarify the preparation (thanks to Lactophenol) and stain fungic elements blue

Further products

| | Reference | Packing |
|-------------------------------|-----------|---------|
| Ziehl Fuchsin RAL | 320600- | 0125 ml |
| Aniline Blue WS (Methyl Blue) | 320390- | 0100 g |

V = Veterinerlikte kullanım için

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Hematolojide Diğer Boyalar

Myeloperoksidaz kiti (lösemi ayrımı için boyama kiti)

Peroxidase granulations form an insoluble bright red compound with pyronin in presence of Alphanaphtol and Hydrogen Peroxide. The nuclei of leukocytes stain blue with Mayer Haematoxylin.

This kit is benzidine-free. Benzidine is replaced by Alphanaphtol-Pyronin.

| | Reference | Packing |
|------------------------------|--------------------|--------------|
| ◆ Kit Myéloperoxydase | 361610-0000 | 1 kit |

Number of Tests possible 30 slides

Kit Components

| | |
|-----------------------------------|--------|
| Alphanaphtol Solution | 30 ml |
| Formalin / Ethanol Solution | 125 ml |
| Mayer Haematoxylin | 125 ml |
| Hydrogen Peroxide | 10 ml |
| Pyronin, 0.2% in aqueous solution | 125 ml |

Kit Hemaperls (Hemosiderin tespiti için) (Ferric salts - Prussian Blue)

In an acid environment, ferric ions react with potassium ferrocyanide what leads to a precipitate called Ferric Ferrocyanide (Prussian blue). It points out the presence of a pathological pigment: Haemosiderin.

| | Reference | Packing |
|------------------------|--------------------|--------------|
| ◆ Kit HémaPerls | 362800-0000 | 1 kit |

Number of Tests possible 50 slides

Kit Components

| | |
|--|------------|
| Mayer Haematoxylin | 1 x 100 ml |
| Acid Buffer and Potassium Ferrocyanide | 10 x 5 ml |

Sudan Black Kit (Lipidlerin tespiti için boyama kiti)

Sudan Black stain proves to be insoluble in aqueous media, but soluble in lipidic and alcoholic media.

In a buffered phosphatized medium and in presence of alcohol, sudanophilic granules catch the stain and appear dark blue, whereas cytoplasm of the cells remains colourless.

| | Reference | Packing |
|--|--------------------|--------------|
| ◆ Kit Noir Soudan (Sudan black kit) | 361290-0000 | 1 kit |

Number of Tests possible 100 slides

Kit Components

| | |
|-----------------------------------|------------|
| Sudan Black in Alcoholic Solution | 1 x 100 ml |
| Buffer Solution | 1 x 100 ml |

P.A.S. Boyama Kiti: (Glusidlerin tespiti için) (nötral veya asit fonksiyon ile)

| | Reference | Packing |
|----------------|-----------|---------------------|
| Mayer Haemalum | 320550- | 1000, 2500 ml |
| Schiff Reagent | 320680- | 0250, 0500, 1000 ml |

Retikülosit Sayım Boyaları

| | Reference | Packing |
|--------------------------------|-----------|---------|
| Brilliant Cresyl Blue Solution | 310750- | 0125 ml |

RAL Immersiyon yağları

| | Reference | Packing |
|-------------------------------|-------------|-----------------------------|
| V DropStand with DropStick® | 340055-0000 | 1 x 10 ml and 1 DropStand® |
| Immersion Oil RAL, 50 ml | 340075-0000 | 1 x 50 ml |
| Pack DropStand® Immersion 30 | 340031-0000 | 3 x 10 ml and 1 DropStand® |
| Pack DropStand® Immersion 100 | 340101-0000 | 10 x 10 ml and 1 DropStand® |
| Pack Immersion 100 | 340100-0000 | 10 x 10 ml (100 ml) |
| Pack Immersion 150 | 340150-0000 | 6 x 25 ml (150 ml) |
| Pack Immersion 300 | 340300-0000 | 6 x 50 ml (300 ml) |

V = Veterinerlikte kullanım için

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Kit Copro-Duo 2 x 24

obj. x 10



Strongyloides stercoralis larva (Anguillula)

Kit Copro-Duo 2 x 24

obj. x 100

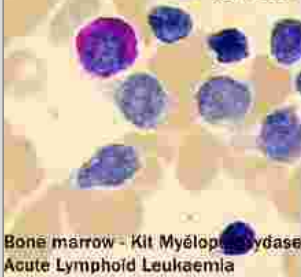


Blood - Kit RAL 555 Plasmodium vivax Gametocyte

Kit RAL 555



obj. x 100



Bone marrow - Kit Myéloperoxydase Acute Lymphoid Leukaemia

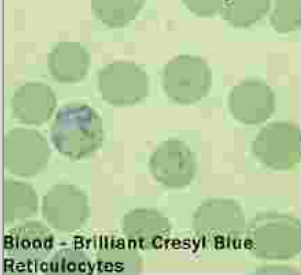
Kit Myeloperoksidase

obj. x 100



Bone marrow - Kit HémaPerls Sideroblastic Anemia

obj. x 100



Blood - Brilliant Cresyl Blue Reticulocytes

pH = 7.0 Buffer Powder

BAKTERİYOLOJİ

Gram Boyama: Gram-pozitif Bakterileri Gram-negatiften Ayırmak için

Medular ve Kan Smear'lerinin Sitolojik çalışmaları için May-Grünwald Giemsa Boyama

Gram-Nicolle Boyama

Gram-Nicolle Staining is a differential staining based on the structure of the bacterial wall which is different whether it concerns Gram-positive bacteria or Gram-negative bacteria.

| | Reference | Packing |
|----------------------|-------------|--------------------|
| V ♦ Kit Gram-Nicolle | 364320-0000 | 1 kit (4 x 240 ml) |

Use

| | |
|--------------------------|-------------------|
| Number of Tests possible | 230 to 300 slides |
| Length of one Test | 3 minutes |

Or single bottles

| | Reference | Packing |
|--|-----------|---------------------------|
| Carbolic Gentian Violet* | 320960- | 0125, 1000, 2500 ml |
| Lugol, PVP*-stabilized Solution* | 367400- | 0240, 1000, 2500 ml |
| or Lugol Solution | 367300- | 0240, 1000, 2500 ml |
| Fast Differentiator (Alcohol/Acetone)* | 361510- | 0240, 1000, 2500 ml |
| or Slow Differentiator (Alcohol-based) | 363030- | 0240, 1000, 2500 ml |
| Ziehl Carbolic Fuchsin | 320490- | 0125, 0500, 1000, 2500 ml |
| or Ziehl Carbolic Fuchsin 1/10* | 364540- | 0240, 1000, 2500 ml |

*Products included in Kit Gram-Nicolle.

Gram-Hücker Boyama

Gram-Hücker staining is based on the same principle than the Gram-Nicolle technique. The structure of the bacterial walls and their permeability to alcohol help differentiate the Gram-positive bacteria from the Gram-negative ones. In this technique, Carbolic Gentian Violet is replaced by Crystal Violet Oxalate (that does not require filtration) and Ziehl Carbolic Fuchsin by Safranin.

| | Reference | Packing |
|--------------------------------------|-------------|--------------------|
| V ♦ Kit Gram-Hücker R, «fast action» | 361520-0000 | 1 kit (4 x 240 ml) |
| V ♦ Kit Gram-Hücker L, «slow action» | 362860-0000 | 1 kit (4 x 240 ml) |

Choosing between "R" or "L"

The "R" (Fast Action) kit is ideal for staining with automates and for manual and simultaneous staining of slides (series).

The "L" (Slow Action) kit is advised for individual staining of slides.

Use

| | |
|--------------------------|-------------------|
| Number of Tests possible | 230 to 300 slides |
| Length of one Test | 3 minutes |

Or single bottles

| | Reference | Packing |
|---|-----------|---------------------|
| Crystal Violet Oxalate* | 361490- | 0240, 1000, 2500 ml |
| Lugol, PVP*-stabilized Solution* | 367400- | 0240, 1000, 2500 ml |
| or Lugol Solution | 367300- | 0240, 1000, 2500 ml |
| Fast Differentiator (Alcohol / Acetone) | 361510- | 0240, 1000, 2500 ml |
| or Slow Differentiator (Alcohol-based) | 363030- | 0240, 1000, 2500 ml |
| Safranin* | 361500- | 0240, 1000, 2500 ml |

*Products included in Kits Gram-Hücker with one of the differentiators depending on the R or L version.

*PVP (Polyvinylpyrrolidone) stops iodine migration. It then allows the so-stabilized Lugol Solution to be packed in plastic bottles.

Diğer Bakterioloji Boyaları

Kit RAL 555, İdrar, BOS, diğer sıvılar için hızlı May-Grünwald Giemsa Sitoloji boyama kiti

| | Reference | Packing |
|-----------------|-------------|--------------------|
| V ♦ Kit RAL 555 | 361550-0000 | 1 kit (3 x 100 ml) |

| | |
|--------------------------|-------------------|
| Number of Tests possible | 100 to 200 slides |
|--------------------------|-------------------|

Or single bottles

| | Reference | Packing |
|---------------|-----------|---------------------|
| FIX-RAL 555 | 362870- | 0100, 1000, 2500 ml |
| EOSIN-RAL 555 | 361640- | 0100, 1000, 2500 ml |
| BLUE-RAL 555 | 361650- | 0100, 1000, 2500 ml |

V = Veterinerlikte kullanım için

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Mikobakteri Boyaması

Mikobakteri aranması için hızlı ve güvenli Floresan Boyama kiti

Kit Fluo-RAL offers a rapid method for the identification of mycobacteria or Acid Fast Bacilli (AFB). The penetration by the discolouring agent of the highly specific structure of the wall is hardly possible. This property enables the AFB to retain the fluorescent yellow-green colour of the auramine after discolouration with acid and alcohol. The other non-acid-alcohol-resistant bacteria and cell elements are counter-stained red thanks to Thiazine Red.

| | Reference | Packing |
|------------------|-------------|-----------------------|
| V ♦ Kit Fluo-RAL | 359000-0000 | (2x250 ml + 4x125 ml) |

| | |
|--------------------------|-------------------|
| Number of Tests possible | 150 to 200 slides |
|--------------------------|-------------------|

Or single bottles

| | Reference | Packing |
|---|-----------|---------|
| Fixative Fluo-RAL | 362115- | 1000 ml |
| Auramine Fluo-RAL | 362325- | 0500 ml |
| Carbolic Solution for Auramine Fluo-RAL | 362530- | 0500 ml |
| Degommier Discolouring Solution Fluo-RAL | 362210- | 1000 ml |
| Thiazine Red Fluo-RAL | 362780- | 0500 ml |
| Carbolic Solution for Thiazine Red Fluo-RAL | 362610- | 0500 ml |

Still available

| | Reference | Packing |
|--------------------|-------------|-----------------------|
| V ♦ Kit Fluo-Color | 361460-0000 | (2x250 ml + 2x125 ml) |

Also available in single bottles

Sıcak Boyama

Staining according to Ziehl-Neelsen, reference method

Standard Ziehl-Neelsen staining can be performed with RAL ZN Staining kit as recommended by the WHO and IUATLD. Ready-to-use, it leads to a reliable and reproducible diagnosis in 15 mn.

The Acid Fast Bacilli appear pink against the blue background of the preparation.

| | Reference | Packing |
|----------------------------------|-------------|---------|
| V ♦ RAL ZN Staining Kit, 3 x 1 L | 365400-0000 | 1 kit |

| | |
|--------------------------|-------------------|
| Number of Tests possible | 400 to 600 slides |
|--------------------------|-------------------|

Kit Components

| | |
|------------------------|---------|
| ZN Carbolic Fuchsin | 1 x 1 L |
| ZN Acid-alcohol 3% | 1 x 1 L |
| ZN Methylene Blue 0.3% | 1 x 1 L |

Diğer Ürünler

| | Reference | Packing |
|-------------------------|-----------|---------------------------|
| Ziehl Carbolic Fuchsin | 320490- | 0125, 0500, 1000, 2500 ml |
| Carbolic Methylene Blue | 310100- | 0125, 1000, 2500 ml |

Staining according to Ziehl-Armand, 2-step variation of Ziehl-Neelsen technique

Using Armand Solution leads to simultaneously discolour all the bacteria (except mycobacteria) and colour the background of the preparation.

| | Reference | Packing |
|------------------|-------------|--------------------|
| V ♦ Kit BK-Color | 364600-0000 | 1 kit (2 x 100 ml) |

| | |
|--------------------------|-------------------|
| Number of Tests possible | 125 to 200 slides |
|--------------------------|-------------------|

Or single bottles

| | Reference | Packing |
|------------------------|-----------|---------------------------|
| Ziehl Carbolic Fuchsin | 320490- | 0125, 0500, 1000, 2500 ml |
| Armand Solution | 360100- | 0125, 1000 ml |

Hızlı Soğuk Boyama

Using this kit prevents from heating slides and breathing carbolic toxic fumes. This staining is very quick and usable on all types of substrates (expectations, cultures ...). The sensitivity is equal to the one obtained with classical hot methods.

| | Reference | Packing |
|------------------|-------------|--------------------|
| V ♦ Kit Quick-TB | 361560-0000 | 1 kit (2 x 125 ml) |

| | |
|--------------------------|-------------------|
| Number of Tests possible | 125 to 200 slides |
|--------------------------|-------------------|

Or single bottles

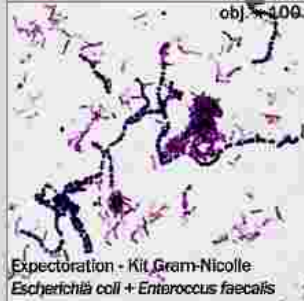
| | Reference | Packing |
|----------------------|-----------|---------------------|
| Carbolic Fuchsin RAL | 365240- | 1000 ml |
| Armand Solution | 360100- | 0125, 0500, 1000 ml |

V = Veterinerlikte kullanım için

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Kit Gram-Nicolle



Expectoration - Kit Gram-Nicolle
Escherichia coli + Enterococcus faecalis



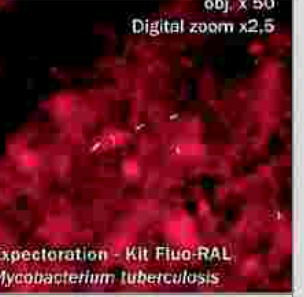
Kit Gram-Hücker R



Pus - Kit Gram-Hücker
Staphylococcus aureus



Kit RAL 555



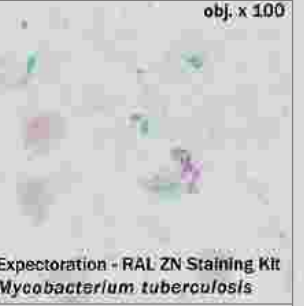
Expectoration - Kit Fluo-RAL
Mycobacterium tuberculosis



Kit Fluo-RAL



RAL ZN Staining Kit
3x1 L



Expectoration - RAL ZN Staining Kit
Mycobacterium tuberculosis



Kit Quick-TB

