



YOUR PARTNER IN **MICROSCOPY SOLUTIONS**

A comprehensive microscopy guide designed to meet specific needs of laboratories and research facilities. From advanced imaging systems to essential tools for research and education, this catalogue is designed to meet the diverse needs of scientists and educators alike.



CONTENTS

Microscopy	03
Staining Solutions	05
Staining Instruments	07
Microscopy Consumables	07

MICROSCOPY

MICROSCOPES

For the examination of organisms at a microscopic level, our wide range of microscopes can be used for various applications. They enable laboratory technicians to easily identify morphology, movement, and gram stains. Our wide range of digital cameras provide enhanced viewing with image and video capture and allows for measurements of samples using user-orientated software.



PLAIN OR FROSTED MICROSCOPE SLIDES

Microscope slides form a fundamental part of microscopy with Lasec®. Available in either plain or double frosted, with bevelled or ground edges, our slides are pre-cleaned, ready-to-use and used for haematology, microbiology, histology, pathology and other applications.

HISTOBOND® MICROSCOPE SLIDES

HistoBond® microscope slides are suitable for immunohistochemistry and in-situ hybridisation. Both surfaces of these slides bond tissue sections adhesively with their positive charge. No additional adhesives are required.



UNIMARK® SLIDES

- UniMark® slides have a printed marking area.
- Different colours for secure identification of preparations and colour coding
- Suitable for marking with permanent markers and printers.
- Markings contrast especially well with bright colours of UniMark® slides.

IMMERSION OIL

Lasec® understands the importance of image quality and improved resolution when viewing biological specimens. We offer different types of immersion oil suitable for all laboratories with a variety of applications. Available in an array of sizes and format packages.



COUNTING CHAMBERS

- Precision measuring devices
- Manufactured acc. to DIN12847 and German Calibration Ordinance
- Made of special optical glass
- Planarity and tolerances are strictly observed
- Tolerance of depth of chamber max. 2 %

PRECISION COVER GLASSES

Modern high-performance microscope objectives are designed for use with cover glasses of 170 µm. The quality of the cover glass, particularly its adherence to this specification, is crucial for optimal imaging. Variations can decrease image contrast and lead to defects like spherical aberration. Our high-precision cover glasses, rated No. 1.5H, offer exceptional accuracy with a tolerance of $170 \mu\text{m} \pm 5 \mu\text{m}$. These are highly recommended for objectives with high numerical aperture and resolution, such as:

- Dry objectives: N.A. > 0.7
- Objectives for water immersion: N.A. > 1.0
- Objectives for glycerol immersion: N.A. > 1.2
- Objectives for oil immersion: N.A. > 1.3



The product images shown are for illustration purposes only and may not be an exact representation of the product.

E&OE

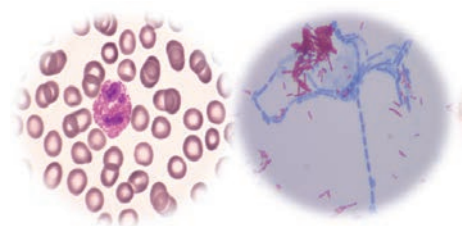
STAINING SOLUTIONS

REAGENTS

We distribute a wide range of reagents that cover all areas of human and animal biology.

These dyes help identify cell and tissue morphology, parasites and bacteria, necessary in diagnosing many diseases. In addition to this we can supply dyes tailored to tackle problems faced by industry and construction, mainly being Fluo-Track (fluorescein) that is used for tracing operations and VB RAL kit (methylene blue) that is used to determine purity ranges.

We also offer automated, programmable staining and staining support systems.

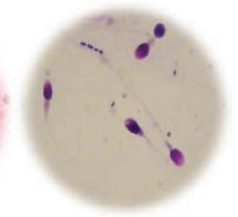


Haematology

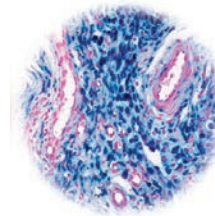
Bacteriology



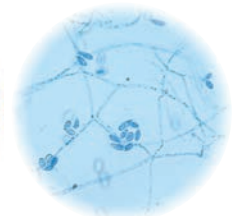
Parasitology



Cytology



Histology



Mycology



GIEMSA STAIN SOLUTION

This formulation of Giemsa Solution, used in the May-Grünwald Giemsa method for differential staining of medullary and blood smears, is suitable for automatic and manual staining methods.

GRAM~HÜCKERR STAINING KIT

In this alternative to Gram-Nicolle staining, carbolic gentian violet is replaced by crystal violet oxalate that does not require filtration and Ziehl- Carbolic Fuchsin by Safranin.



The product images shown are for illustration purposes only and may not be an exact representation of the product.

E&OE



MAY GRUNWALD GIEMSA STAINING

A versatile variation of May-Grünwald Giemsa Staining that can serve in haematology (blood and bone marrow smears), parasitology, histology, spermology and cyto-bacteriology. This kit provides a reliable and reproducible stained blood smear in only 15 seconds.

KIT QUICK TB

Staining with this Quick TB Kit allows detection of mycobacteria, (AFB Acid-Fast Bacilli) through a cold and fast staining technique using Carbofuchsin RAL and Armand Solution.



STANDARD ZIEHL~NEELSEN STAINING

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 within 15 minutes.

The product images shown are for illustration purposes only and may not be an exact representation of the product.

E&OE

STAINING INSTRUMENTS

HISTO~LINE LABORATORIES AUTOMATIC MULTI~SLIDE STAINER

This stainer is suitable for many types of staining reagents, consumables and protocols. It is specially designed for continuous operation and loading without interrupting the staining process.



Various capacity stainers available:

- **High Capacity Stainer:** 200 slides per basket, with 5 slide racks
- **Compact Automatic Stainer:** Maximum capacity of 76 slides, with 38 slides per basket

MICROSCOPY CONSUMABLES



SLIDE MAILERS

- Provides for safe transportation and storage
- Made of polypropylene



MARKER PEN

- Black
- Super fine tip

FIXATIVE SPRAY

- Preserves histological and cytological tissue samples in a lifelike manner



LENS TISSUE

- Non-fibrous, lint-free, non-abrasive cleaning tissue for various optical lenses, mirrors etc.



CAPE TOWN

52 Old Mill Road
Ndabeni
Cape Town
7405

+27 21 531 7504

JOHANNESBURG

48 Gazelle Crescent
Gazelle Place
Corporate Park South
Randjiespark
Midrand
1685

+27 11 052 2500

DURBAN

Unit 3, Windsor
Court, Ground Floor
AFS House, 4 Derby
Place, Derby Downs
Westville
3629

+27 31 702 6001

PORT ELIZABETH

Unit 5.1, Building 3
Ascot Office Park
Block 7
Conyngham Street
Greenacres
6001

+27 41 373 9173

BLOEMFONTEIN

53 President Steyn
Avenue
Westdene
Bloemfontein
9301

+27 51 447 9500

PLEASE DIRECT ALL ENQUIRIES FROM OUTSIDE SOUTH AFRICA TO:

 52 Old Mill Road, Ndabeni, 7405, Cape Town PO Box 2110, Cape Town, 8000

 www.lasec.com

 +27 21 531 7504

 sales@lasec.com

 international@lasec.com