



Diagnostics Park, 141 Oak Avenue, Ferndale, Randburg, P O Box 3222, Randburg 2125, Republic of South Africa, Tel: +27 11 777 7600, Fax: +27 11 787 6917, Email: customerservice@daviesdiag.co.za, www.daviesdiagnostics.co.za

## NEW MAST® CARBA PACe - Available



We are pleased to announce the launch of the **NEW MAST® CARBA PACe** for rapid, simple and cost effective carbapenemase detection in *Pseudomonas*, *Acinetobacter* and *Enterobacterales*.

An increase in antimicrobial resistance is one of the most urgent global challenges facing the field of healthcare.

Carbapenem resistant bacteria are an emerging cause of healthcare associated infection and are particularly concerning due to the high level of antimicrobial resistance coupled with the ability for widespread transmission.

Accordingly it is important to detect carriers quickly to prevent and control spread and also to aid antimicrobial stewardship.

Mast Group Ltd. has developed a colorimetric test which rapidly detects carbapenemase producing *Pseudomonas* spp., *Acinetobacter* spp. and *Enterobacterales* using a novel chromogenic cephalosporin analogue.

- Rapid results in less than 10 minutes
- Simple test process in 5 easy steps
- Cost effective screening solution

- High sensitivity and specificity

**MAST® CARBA PACe** is a simple, cost effective solution providing fast results within 10 minutes, conveniently containing 48 tests per kit making it ideal for screening purposes, and supporting effective infection prevention and control. With no special equipment required the test can be easily adaptable to any microbiology laboratory.

**MAST® CARBA PACe** – rapid, simple, cost effective – contact us now for more information on how to simplify your carbapenemase detection.

## How does SARS-CoV-2 Positive Control Kit help your lab process?

- Monitor instrument performance.
- Improve the diagnosis process: nucleic acid extraction, amplification and detection quality.
- Allows you to obtain comparable results.
- Validate and verify different assays complying with regulatory requirements.



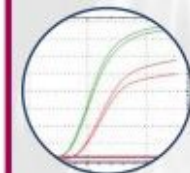
Reconstitution of the Positive Control



Nucleic acid extraction



Real-Time PCR



Result interpretation

Contact us now for further information



## MAST DISCMASTER 5

Antibiotic Disc Dispenser  
Superior and accurate performance

## NOW AVAILABLE

The **MAST® DISCMASTER 5** dispenser has been developed to optimise performance and provides a reliable and robust solution for the dispensing of **AST**, **ID** and **combination** discs within the **MASTDISCS®** range. Due to its novel and innovative design, the **MAST® DISCMASTER 5** dispenser guarantees an in-use shelf life of 4 weeks for all antimicrobials **including the carbapenem group** when stored using charged desiccant.

The **MAST® DISCMASTER 5** is available in a convenient 6-place format in line with the **EUCAST** disc diffusion methodology, with an easy to use single-handed operation, permitting smooth integration into routine laboratory workflows and high throughput laboratories.

The **MAST® DISCMASTER 5** is presented in a canister with new thermoplastic interlocking seals, providing optimal protection against moisture when used in line with Mast silica gel capsules (SILICA63). **MASTDISCS®** discs positively placed onto the agar surface permitting precise, centred positioning on each dispensing cycle. The stainless steel base plate and ejector pins provide robust and long lasting performance.

In addition, the automatic "lock-off" functionality indicates when the final disc has been dispensed from a cartridge, permitting users to replenish their supply.

**Call us now for further information!**



**EXTRAordinary Service**  
It's that little "EXTRA" that makes us the **BEST!**

**3-BBEE VERIFIED**



# Customer Feedback

As part of our commitment to ISO9001:2008 we are continuously monitoring feedback from our customers.

We are also continually striving to better our EXTRAordinary Service philosophy. Should you have any comments, please send them to:

**Greg Duncan-Trail**

Tel: 011 777 7605

Email: greg@daviesdiag.co.za

**Ishmael Leshoeli**

Tel: 011 777 7602

Email: ishmael@daviesdiag.co.za

**Donna Pillay**

Tel: 011 777 7623

Email: donna@daviesdiag.co.za



We're on the web  
[www.daviesdiagnostics.co.za](http://www.daviesdiagnostics.co.za)

## STAFF SNIPPET NEW APPOINTMENT

Help us welcome Karabo Lehabe!  
"Thanks for joining our team, Karabo. We chose you from among all of our applicants because we believe that you'll



do great things with us. We hope you'll always feel free to innovate, share your thoughts and help your teammates realize their ideas."

Karabo has joined our Sale Team as a technical Sales consultant from the 1st May 2021 and will be looking after our Gauteng region customers.

## ComASP® Colistin

for antimicrobial susceptibility testing

### Compact Antimicrobial Susceptibility Panel

for determining MIC through broth microdilution according to ISO 20776-1:2019 standard

Broth microdilution is used as a reference method for AST for leading therapeutic decisions.



Liofilchem developed its Broth microdilution range on a proprietary compact format, in addition to a large AST portfolio that includes MIC Test Strip, disks and ready-to-use agar dilution panels.

ComASP® delivers real MIC results for antimicrobial agents that are indicated by the international guidelines to be used in broth microdilution rather than agar diffusion, agar dilution or automated/semi-automated methods. ComASP® is also available for customizable assortments of agents and concentration ranges, to meet special needs of laboratories of any sizes carrying out antimicrobial susceptibility tests. Incubation at  $36\pm 2^{\circ}\text{C}$  for 16-20 hours in ambient air.

At the end of the incubation period watch for the growth in the wells and determine the MIC, i.e. the lowest concentration of antibiotic that inhibits visible growth.

Growth appears as turbidity or as a button at the bottom of the well (compare with the amount of growth in the growth-control well).

The result can be read visually or automatically. Reading by the naked eye can be improved by use of bright indirect lighting against a dark background.

## Amnio Test™

### Rapid Amniotic™ Fluid Swab Test

AmnioTest™ is designed to assist in the detection of rupture of the foetal membrane. It offers the most efficient, cost effective, reliable, and simple to use point-of-care screen test to aid in the detection of amniotic fluid in near-term patients. Along with a simple quality control regimen, AmnioTest™ is an invaluable tool for OB-GYN and L+D clinics.

#### Simple Test Procedure

##### 1. "Peel"

Remove sterile swab from individual wrapper by peeling open the AmnioTest™ sleeve. Note: Do not allow swab tip to come in contact with anything before test is performed.

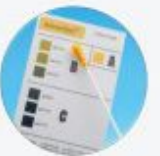
##### 2. "Swab"

Insert swab so that nitrazine tip gently comes in contact with the upper cervical area for 10-15 seconds.

A speculum may be used during this phase of the procedure to limit swab exposure to anything that may affect pH (i.e. urine, bacteria).

##### 3. "Read"

After carefully removing swab, simply compare the swab tip colour to the interpretation card supplied by Pro-Lab and record the corresponding pH level. Discard swab and return box to storage area being sure to close lid properly. Exposure to light or humidity may affect performance of the product.



AmnioTest™ offers the most efficient, reliable and simple to use point-of-care screen test for the detection of amniotic fluid in near-term patients. Along with a simple Q.C. regimen, AmnioTest™ is an invaluable tool for OB-GYN and L+D clinics.

# BIOSCOT® ABO Reagents



**Anti-A (clone BIRMA-1) – TL** This reagent reacts avidly with A1, A2, A1B and A2B red cells. It will directly agglutinate most examples of Ax. It gives classic mixed field reactions with A3 and A3B cells.

**Anti-B (clone LB-2) – TN** This reagent reacts avidly with B and AB red cells. The reagent directly agglutinates examples of Bx, but does not agglutinate A1 red cells with the “acquired B antigen.”

**Anti-A,B (clones ES-15/ES-4) – TM** This reagent allows for independent confirmation of ABO grouping, as it is made from antibodies other

than those used to make BIOSCOT® Anti-A and Anti-B reagents. The reagent is of particular value in typing blood samples from neonates and geriatrics, where the antigens may be weakly expressed and reverse (serum) ABO grouping is not possible. The antibody from ES-15 is particularly effective in detecting the weakest forms of A.

**Anti-D IgM/IgG Blend (clones TH-28 + MS-26) – BM** This reagent is particularly suitable for grouping donors or neonates where the detection of D category VI is desirable. This reagent directly agglutinates red cells with normal D expression and most examples of weak D and partial D but not DVI. When used by the indirect antiglobulin method or by many automated methods, the IgG component will agglutinate DVI red cells.

# PathFlow® Rapid Tests

PathFlow™ Mononucleosis is a qualitative, lateral flow immunoassay for the detection of IM heterophile antibodies in whole blood, serum or plasma.

Infectious Mononucleosis (IM), also known as glandular fever, is caused by the Epstein-Barr virus, a member of the herpes virus family.

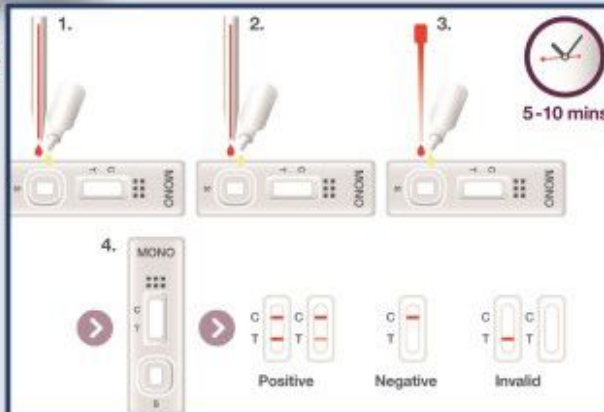


Symptoms of IM are fever, sore throat and swollen lymph glands. In very rare cases, heart or central nervous system problems may arise from infection.

PathFlow™ Mononucleosis allows for the differential diagnosis of Infectious Mononucleosis in cases where it may otherwise be diagnosed as cytomegalovirus infection, or streptococcal pharyngitis.

Although cytomegalovirus infection is normally managed in much the same way as IM, in pregnant women it can have a very different outcome for the mother's unborn child. Also, diagnosis of IM can

prevent the over-prescribing of antibiotics that are usually offered as a result of streptococcal pharyngitis.



# High Precision MicroPipette

- 8 channel pipette are appropriate for 96-well plates
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assemblies allowing easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands

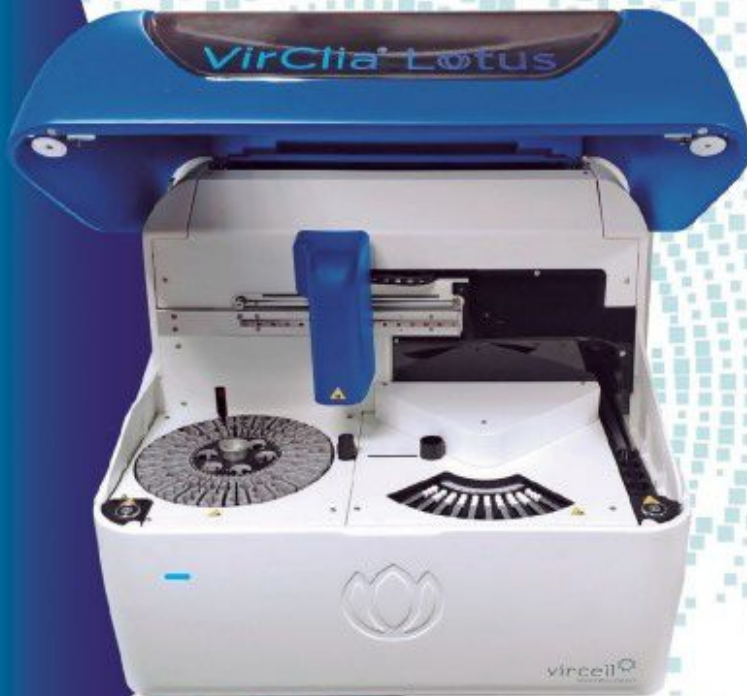
# Single channel Adjustable Volume Pipettes

- Slim design and light in weight, less risk if strain injuries.
- Compatible with most universal tip brands
- Excellent grip f User friendly
- Large display window allows for easier volume identification
- Ejector button on the back for easy identification Pipettes cover volume range from 0.1µL to 5mL.
- Easy calibration and maintenance
- Each pipette is supplied with an individual calibration certificate according to ISO8655 performed in factory
- CE marked as in vitro diagnostic device according to Directive 98/79/EC

# VirClia® Lotus

Any test, any sample, any time

Chemiluminescence System (CLIA) designed to process  
VirClia® Monotest diagnostic immunoassays



- Random access with continuous loading
- STAT function for urgent sample management
- Positive identification of samples and strips by internal scanner
- First results in 1 h (a new result every 30 seconds)
- 40 tests in 1 h 25 m, 80 tests in 2 h 30 m
- Capacity: 50 primary tubes and 79 strips

- Multiparametric: Compatibility of all VirClia tests
- Personalized results management (per test, per patient)
- LIS (VirCom® middleware) connectivity

## good thinking

When it comes to making life liveable, small pieces of wisdom are often more valuable than great weighty thoughts!

*Retrain Your Face to Smile. It's a pandemic.*

*By Emily Kelleher*

*Funniest Coronavirus Jokes*

*You know what they're saying about 2020. It went viral faster than anyone thought it would.*

*What's the best way to avoid touching your face? A glass of wine in each hand.*

*If coronavirus isn't about beer, why do I keep seeing cases of it?*

*Back in my day, you would cough to cover up a fart. Now, with COVID-19, you fart to cover up a cough.*

*Nail salons, hair salons, waxing center and tanning places are closed. It's about to get ugly out there.*

*Still no toilet paper in the stores. They're wiped out and you're shit out of luck..*

*What did the man say to the bartender? I'll have a corona, hold the virus.*

*If there's a baby boom nine months from now, what will happen in 2033? There will be a whole bunch of quaranteens.*

*Did you hear the joke about the germ? Never mind, I don't want to spread it around.*

*I ran out of toilet paper and had to start using old newspapers. Times are rough.*

*Why didn't the sick guy get the joke? It flu over his head.*

*You know what they say: feed a cold, starve a fever, drink a corona.*

*What does eating raw garlic have to do with preventing COVID-19? It helps keep everyone at a safe distance.*

## Flow Cytometry

We offer a comprehensive line of positive procedural controls and cellular stabilisation products for immunophenotyping by flow cytometry.

Our unique quality controls provide assay values for both normal and abnormal leukocyte populations and reference values for both intracellular and surface markers.



Our cellular stabilisation products are designed to preserve samples for extended periods while easing handling concerns and allowing for room temperature storage, cold-chain free shipping and batch processing.

## STATS-Link® ILQC

### Interlaboratory Quality Control Program

Streck's Interlaboratory Quality Control program is an effective way for laboratories to evaluate the performance of an instrument or method against a peer group and demonstrate compliance with quality practices. STATS-Link compiles data in personalized, easy-to-read reports to help labs detect changes in systems before they significantly impact patient results.

STATS-Link is available to all customers free of charge. STATS-Link real-time reporting lets a laboratory submit data online and compare control results to other laboratories at any time. Instrument trends or shifts can be identified, resulting in increased confidence in instrument performance. STATS-Link is an enhanced data access portal that allows labs to submit data online, view real-time reports, retrieve monthly reports, and manage lab account information.

