



LORNE LABORATORIES LIMITED

Unit 1 Danehill, Cutbush Park Industrial Estate, Lower Earley, Reading, RG6 4UT, UK

Tel: +44 (0) 118 921 2264 • Fax: +44 (0) 118 986 4518 • Email: info@lornelabs.com • www.lornelabs.com

QS-AFB Acid-Fast Bacillus



QS-AFB Automated Acid Fast Test

With a dramatic increase of incidence of Mycobacterial disease, it is more important than ever to find rapid methods for identification of the organism. The current fluorescent techniques to identify acid fast organisms in smears take from 20-30 minutes to perform.

Using the new QS-AFB with Rapid Modified Auramine O (SDL), process time is reduced to 90-120 seconds per test. This single slide machine delivers quality and consistency for every test. Counterstain quenches fluorescence of all non-acid fast organisms and debris resulting in a cleaner field of view. It is just as sensitive as other Auramine Stains.

QS-AFB can process 8-10 specimen slides in the time it takes to do one (1) slide by the conventional manual method. Pre-fix your slide, touch key-pad, place slide in chamber; that's it, the QS-AFB does the rest. Once staining is complete, remove the slide, wipe the back side, dry and then view.

QS-AFB uses fresh reagent on each specimen, cleans the chamber after each test and requires no daily maintenance. Our automated process eliminates large volumes of reagent fluids going down the sink or having to be disposed of by hazardous waste handlers. You may place this machine and the reagent pack next to your microscope to expedite and improve lab efficiency.

GG&B's only business *is* the manufacture of slide stainers. Each machine is hand built in Wichita Falls, Texas, and *every* machine is quality tested prior to shipment. Proprietary reagent systems are kept on hand and offer next day shipment for most orders. Technical support is available five days a week from 9:00 am to 5:00 pm in UK, just call Lorne Laboratories.

Extended warranties and service contracts are available following our standard one year warranty. GG&B has hundreds of stainers in the field and continues to look for ways to improve our product line. For the best in quality, service and performance in hematology and microbiology stainers, please contact us on 0118 921 2264 for pricing and details.

QS-AFB-0010

What others are saying about QS-AFB Automated Acid-Fast Stainer...

U-083. Evaluation of a Rapid, Fluorescent Stain for the Detection of Mycobacteria in Clinical Specimens

C. Hendry, K. Dionne, K. Carroll, N. Parrish; Johns Hopkins Hosp., Owings Mills, MD.

Background: Due to the steady increase in Mycobacterial disease, rapid detection is essential for early diagnosis and treatment of infection. A common method used for screening clinical specimens suspected of containing mycobacteria is microscopic examination of stained smears for the presence of acid-fast bacilli (AFB). We compared 2 Auramine-O stains: the Remel TB Auramine-O stain (RAO) and the Rapid Modified Auramine-O stain from Scientific Device Laboratory (MAO).

Methods: The RAO procedure required 8 steps using 3 stains and ~22 minutes for completion. The MAO procedure required 6 steps using 2 stains and ~2 minutes for completion. Testing included pooled specimens from the following digested / decontaminated sources: tissue, sputum, bronchial lavage, peritoneal fluid, and (undigested) cerebrospinal fluid. Each source was divided into separate aliquots and inoculated with a dilution series of Mycobacterium gordonae to reflect the burden of organism typically seen in clinical samples. 100 duplicate slide sets were prepared according to manufacturer.s protocols and divided into sets .A. (RAO-stained) and .B. (MAO-stained). Slides were graded for quantity of organism, and brightness of both AFB and background debris.

Results: In comparing both methods, all slides were positive for AFB with no significant quantification difference in organism between stains. Approximately 40% of the MAO slides were brighter than their paired RAO counterpart. Overall, MAO-stained slides exhibited less background debris staining (4%) versus RAO stained slides (30%). MAO staining required significantly less time (~2 min) versus the RAO stain (~22 min).

Conclusion: Results of this study suggest that the MAO-stain has several favorable characteristics for use in a clinical laboratory setting: it is rapid, provides equivalent AFB quantitation as compared with the RAO stain, but with less non-specific background fluorescence. As such, the MAO stain has the potential to be more cost effective and efficient in presenting presumptive evidence of mycobacteria in clinical specimens.

Paper presented at the 108th meeting of ASM Boston MA, June 5, 2008

Frequently Asked Questions

What does the unit cost?

The list price is **£2,750.00 + VAT**. Delivery is £25.00 + VAT. GG&B are the only manufacturer of single slide stainers. This unit is the smallest, fastest, and least expensive automated stainer manufactured.

What about the warranty?

A twelve (12) month warranty is standard. If a problem occurs, ask for technical services on 0118 9212264. If your problem cannot be resolved by phone, a replacement unit will be shipped to you the next day.

A fully comprehensive breakdown repair service is available for QuickSlide after warranty with Gamidor Technical Services Ltd. and includes one on-site maintenance visit per annum, with or without spare parts included. Contact Lorne Laboratories for full details and current prices for service and maintenance costs.

What about maintenance?

Daily maintenance is not required, however, GG&B recommends that the tubing and pump windings be changed annually. We have retubing kits (**£100.00 + VAT** each), which include tubing, elbow fittings, pump windings, stainless steel cannulas, one-way valves, and wire ties for complete front to back replacement. High usage may require that the top half of the cuvette be cleaned once a month using a Q-tip that can be done in a minute or less.

Does the QuickSlide-AFB require special slides?

Yes. Special slides are required. Order AFB-0800 (1) Box of 50 or multiple packs at a discount.

What about the stain/reagent kit?

It is a proprietary formulation, developed exclusively for GG&B Company. This guarantees a consistent and quality stain. The QuickSlide-AFB uses a modified Auramine O stain for perfect results every time.

What is the cost of the stain/reagent kit?

There are 125 tests per stain kit and retails for £145.00 + VAT. Order part # AFB-0070 (1) from Lorne.

QS-AFB Acid-Fast Bacillus Slide Stainer

SPECIFICATIONS QS-AFB Acid-Fast Bacillus Slide Stainer

SPECIFICATIONS

DIMENSIONS/WEIGHT

Width	30.48cm	(12.0in.)
Height	27.9cm	(11.0in.)
Depth	27.94cm	(11.0in.)
Weight	4.19Kg	(9.25lb)

POWER

REQUIREMENTS

INPUT

100-240 50/60 HZ

TEMPERATURE,

AMBIENT OPERATION

16-32 Degrees C (60-90 Degrees F)

HUMIDITY

0 to 95% without condensation

OPERATOR

ADJUSTMENTS

Stain/Quencher Times

Fill Level

Audible Sound On/Off

OPERATOR ENTRY

Moisture Proof, Soft Touch, Color

Coded Key Pad

WARRANTY

One Year Standard



MAKE YOUR LABORATORY'S FUTURE SHINE

FASTEST ACID FAST SLIDE STAINER MADE

**90 TO 120 SECONDS PER SLIDE WITH OPERATOR
ADJUSTABLE TIMES**

Reagent Kit QS-AFB Acid Fast Stainer



AFB-0070 (1)

- Extended Shelf Life 1 yr unopened
- Special formulated pack - 125 tests per pack in one self contained package
- Easy to read labels on tubing for ease of operation
- 4 packs per case

QS-AFB-0010 Acid Fast Bacillus Slide Stainer



QS-AFB Automated Acid Fast Test		
Part No:	Description:	Unit Price:
AFB-0010	AFB Stainer	£2,750.00
AFB-0020	Replacement Tubing Kit	£100.00
AFB-0030	Cuvette	£145.00
AFB-0040	Pump Cover	£40.00
AFB-0050	Pump Roller Assembly	£40.00
AFB-0060	Thumbscrew	£2.50
224-3928	UK 12V DC Mains Adaptor	£80.00
AFB-0070 (1)	1 x 125 Test Stain Pack = 125	£145.00
AFB-0070x4 (4)	4 x 125 Test Stain Pack = 500	£550.00
AFB-0070x10 (10)	10 x 125 Test Stain Pack = 1,250	£1,300.00
AFB-0070x40 (40)	40 x 125 Test Stain Pack = 5,000	£5,000.00
AFB-0800 (1)	1 x QC Slides (Box of 50) = 50	£100.00
AFB-0800x5 (4)	4 x QC Slides (Box of 50) = 200	£385.00
AFB-0800x10 (10)	10 x QC Slides (Box of 50) = 500	£900.00
AFB-0800x40 (40)	40 x QC Slides (Box of 50) = 2,000	£3,500.00
AFB-001 KIT Special Offer! Order before 31st March 2009	AFB Stainer with Mains Adaptor, One x 125 Test Stain Pack Two x QC Slides (Box of 50)	Special Discount! Save 10% £2,750.00

All prices are exclusive of VAT and carriage charges. Minimum order £35.00 + VAT
Carriage will be charged at £10.00 per order for kits and accessories + VAT

0:\WORD\LORNE\IG&B QuickSlide\QuickSlide-AFB 4 Pages A4.doc

 **LORNE LABORATORIES LIMITED**

Unit 1 Danehill, Cutbush Park Industrial Estate, Lower Earley, Reading, RG6 4UT, UK

Tel: +44 (0) 118 921 2264 • Fax: +44 (0) 118 986 4518 • Email: info@lornelabs.com • www.lornelabs.com

Registered Office: Unit 1 Danehill, Cutbush Park Industrial Estate, Lower Earley, Reading, RG6 4UT, United Kingdom
Registered in England: Registered No. 04540797 Registered VAT No. GB 800 3655 66