Introducing the new

Aerospray® TB

TUBERCULOSIS SLIDE STAINER / CYTOCENTRIFUGE



NEW

Automated reagent level monitoring

Slides ready for the microscope in minutes

ELITech
Biomedical Systems

www.wescor.com

AEROSPRAY TB



A Slide Stainer & Cytocentrifuge!

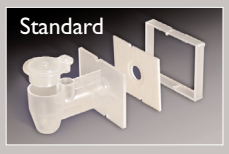
ECONOMICAL

The Aerospray is exceptionally sparing in reagent consumption, giving you versatile full or partial load programming options that significantly reduce reagent volumes and costs required for staining different sized loads. An optional 30 slide carousel is available.

OPTIONAL CYTOCENTRIFUGE ROTOR

With the optional Cytopro rotor, the Aerospray stainer becomes a superb cytocentrifuge with eight-slide capacity and keyboard programmability at a fraction of the cost of purchasing a stand-alone cytocentrifuge.

Cytopro Chambers



Combines ease of use with superb cell recovery.



Advanced design places two samples on the same slide for increased efficiency and economy.



Allows for treatment of large samples up to 6 mL.

CARBOL FUCHSIN OR FLUORESCENCE STAINING ON DEMAND

With a few keystrokes and a change of reagents the TB stainer can be configured for Kinyoun, Ziehl-Neelsen, auramine or auramine/rhodamine staining methods.

RAPID PERFORMANCE

With a cycle time as short as 4.5 minutes, the Aerospray stainer can process more than 150 slides per hour (up to 400 with the optional 30-slide carousel). No more waiting for slides to dry–they're ready to view when the staining cycle ends.

AUTOMATED REAGENT LEVEL MONITORING

The stainer warns you when reagent levels are getting low.

NO CROSS CONTAMINATION

In all Aerospray stainers, fresh reagent is applied as an atomized spray on slides mounted in a rotating carousel. Specimens contact only fresh stain, precisely metered from separate spray nozzles. No cross-contamination occurs and accuracy is assured.

EASY TO USE

Select from 6 different stain settings and start the staining cycle. That's it, because the stainer takes over from there, precisely controlling all phases of the stain cycle with consistent reproducibility.

Ready for the Microscope in Minutes

Aerospray provides many advantages over hand staining or automated dip type stainers, including speed, economy, consistent performance, and no cross-contamination.



The ELITech TB Process

Aerospray stains microscope slides smeared with materials containing acid-fast micro-organisms such as culture materials, body fluids, or exudates. ELITech reagents are tailored to give superb results in the Aerospray stainer.

The Aerospray stainer provides a choice of staining cycles ranging from 1 to 6, allowing you to compensate for thick specimens, or other possible variables.

HOW IT WORKS

Reagents are applied from atomizing spray nozzles onto microscope slides containing the specimens. Staining is rapid and precise. Specimens contact only fresh stain, avoiding specimen cross-contamination or contact with contaminated reagents.

FIXATION

Specimens are heat fixed according to traditional procedures prior to staining in the Aerospray.

PRIMARY STAIN

At the beginning of the staining cycle, the slides are sprayed with the primary stain (carbol fuchsin or fluorochrome) that penetrates and stains the specimens. Excess stain is then spun off and washed away with deionized water to prevent precipitate formation.

DECOLORIZING

Acid alcohol decolorizer is then applied to remove the primary stain from the non acid-fast bacteria and surrounding debris. The decolorization is stopped with a water wash and a short spin.

COUNTERSTAIN

The counterstain is then applied to stain the non-acid-fast organisms. Excess counterstain is then removed with a water wash and a short spin.

DRYING

The slides are spun at about 950 RPM for 45 seconds. This draws air through the stainer and dries the slides. Slides emerge from the stainer dry and ready for the microscope.

With its rapid staining cycle and high throughput capability, the Aerospray stainer is a convenient, cost effective way to stain mycobacteria.

AEROSPRAY TB

Specifications

Aerospray® TB Slide Stainer / Cytocentrifuge Model 7721

Slide Carousel Capacity	1 to 12 or 1 to 30 Slides, depending on carousel
Cytocentrifuge Rotor Speed	100 to 2000 rpm (±5%), user programmable
Dimensions (W x H x D)	57 cm x 25 cm x 54 cm (22" x 10" x 21")
Clearance Height (lid open)	58 cm (23")
Weight	16.0 kg (35.2 lb)
Electrical Requirements	100 to 240 VAC (±10%)@ 50-60 Hz, 85 watts maximum
Drain Connection	Outlet on rear panel
Safety	Lid interlock: Lid must be closed for operation, and is locked down during carousel rotation. Rotation indicator: LED on front panel lights when the carousel or rotor is rotating.

Cytopro® Cytocentrifuge Rotor Model AC-160

Capacity	8 chambers and slides
Weight	1.1 kg (2.5 lb)
Dimensions (Dia. x H)	22.6 cm x 6.2 cm (8.9" x 2.4")

Aerospray TB Stain Consumption Specifications

Medium Intensity Setting: #3 *(no clean cycle)*
(Approximately 7 mL of each reagent is used per clean cycle)

Reagents	Description	Theoretical maximum number of slides per bottle			
		Full 12 Slide Carousel		Full 30 Slide Carousel	
		Carbol Fuchsin	Fluorescence	Carbol Fuchsin	Fluorescence
Decolorizer 500 mL	Carbol Fuchsin Decolorizer	1392	1260	2100	1890
	Fluorescence Decolorizer				
Counterstain 500 mL	Brilliant Green	1044	1044	1740	1740
	Methylene Blue				
	Potassium Permanganate				
	Thiazin Red/Carbol Solution				
Primary Stain 500 mL	Ziehl-Neelsen	696	1392	930	2100
	Kinyoun				
	Auramine				
	Auramine / Rhodamine				

For information regarding Aerospray Gram or Hematology stainers, contact:

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