



Microbiology

AEROSPRAY® TB

Slide Stainer / Cytocentrifuge

Series 2

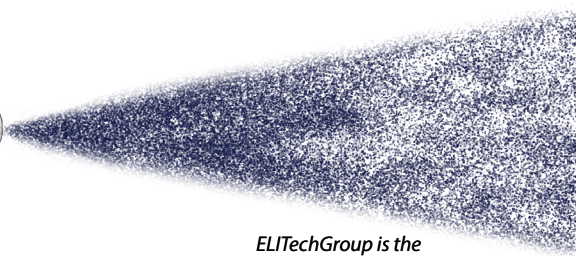


WORLD'S BEST STAINER IN PERFORMANCE AND RELIABILITY

Automates the staining of body fluid specimens to facilitate the detection of acid-fast bacilli including mycobacterium tuberculosis using either fluorescence or carbol fuchsin staining.

DO MORE IN LESS TIME WITH AEROSPRAY® TB STAINING AND CYTOCENTRIFUGE TECHNOLOGY

- Superior staining process that is easy to use and saves time
- Rapid performance cycle time, slides are dried and ready for the microscope in minutes
- Cross-contamination is eliminated with a fresh application of stain
- Automated nozzle clean after each stain cycle
- Convenient automated waste level detection (optional)
- Superb cytocentrifuge, resulting in a five-to nine-fold increase in the number of cells on a slide¹ (optional)
- Programmable functions to accommodate different intensities, and personal preferences
- Laboratory compliance with traceability features is ensured



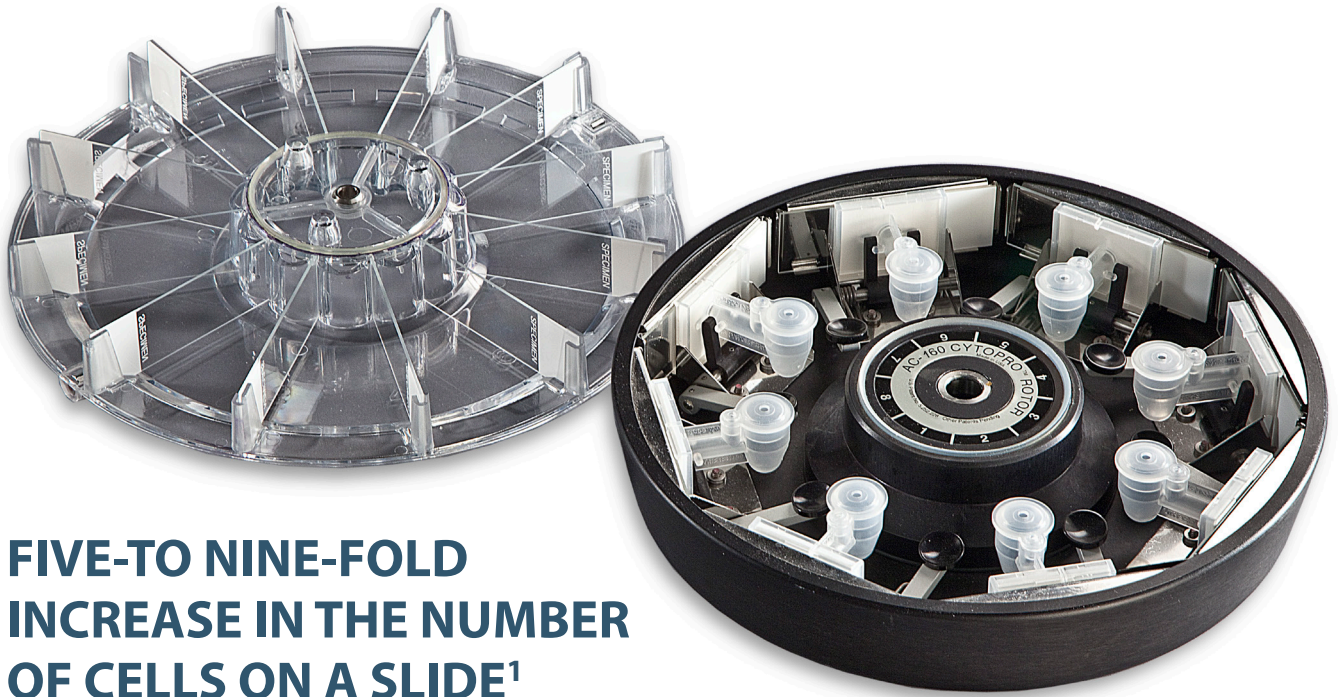
*ELITechGroup is the
inventor of Aerospray® Staining*

BENEFITS TO YOUR LAB

- Consistent, reliable, and standardized staining across multiple labs
- Easily compare slides from different labs
- High-quality control ensuring no stain variability when moving from LOT to LOT
- Reduces labor costs and aids labs in lowering the cost per slide
- Low maintenance required – simple and time efficient cleaning cycles
- The perfect back-up stainer that can be easily supplemented in any workflow in case of machine maintenance or failure

APPLICATIONS

- ▶ Culture Media
- ▶ Body Fluids
- ▶ Exudates
- ▶ Digested Sputum
- ▶ Urine
- ▶ Synovial Fluid
- ▶ Sputum
- ▶ Bronchoalveolar Fluid



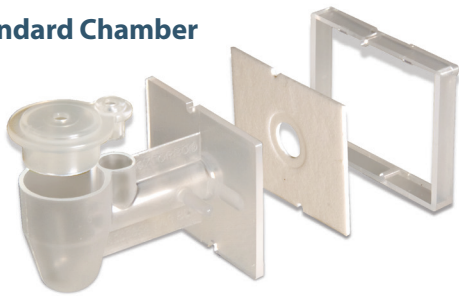
FIVE-TO NINE-FOLD INCREASE IN THE NUMBER OF CELLS ON A SLIDE¹

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

AVAILABLE SAMPLE CHAMBERS

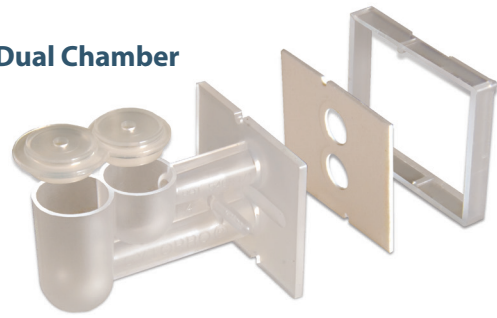
Patented flow control increases cell yield and delivers consistent results.

Standard Chamber



Combines ease of use with superb cell recovery.

Dual Chamber



Places two samples on the same slide for increased efficiency and economy.

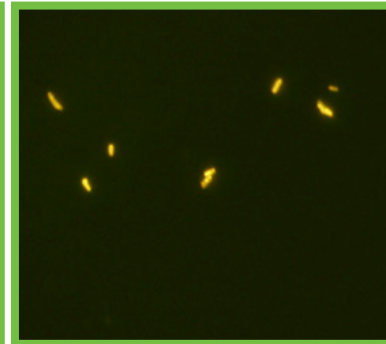
Cytopro Magnum®



Accepts sample sizes up to 6 mL.

¹Huppmann, A. R., Rheingold, S. R., Bailey, L. C., Helfrich, M., & Choi, J. K. (2012). Detection of Leukemic Lymphoblasts in CSF Is Instrument-Dependent. *American Journal of Clinical Pathology*, 137(5), 795-799. doi:10.1309/ajcpp4hq2fxqezil

THE AEROSPRAY® PROCESS FOR TB STAINING




THE STAINING STEPS

1 Specimens are heat fixed or methanol fixed according to the latest recommendations from the CDC prior to staining in the Aerospray.

2 Slides are sprayed with the primary stain that penetrates and stains the specimens. Excess stain is then spun off and washed away with deionized water to prevent precipitate formation.

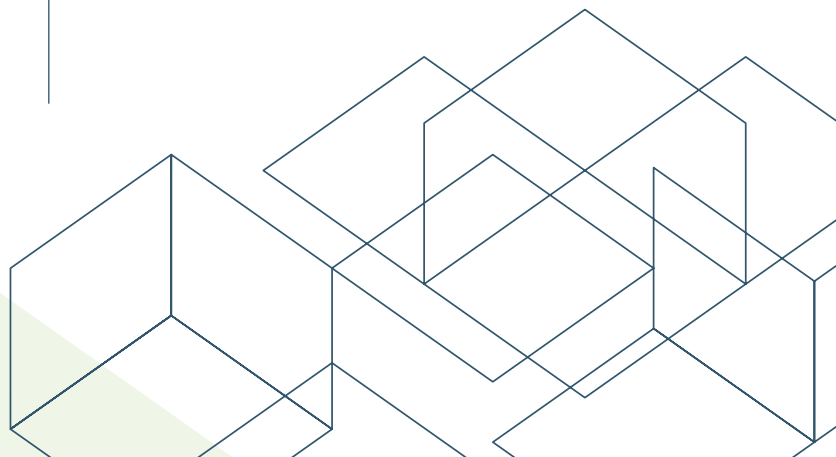
3 Acid alcohol decolorizer is applied to remove the primary stain from the non acid-fast bacteria and surrounding debris. The decolorization is stopped with a water wash and a spin.

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

 High speed, low duration spin creates dry slides, ready for the microscope in minutes!

CARBOL FUCHSIN OR FLUORESCENCE STAINING ON-DEMAND

Easily configured for Ziehl-Neelsen (ELITE ZN technology), without the dangerous fumes linked to the traditional heating phase, and for Auramine or Auramine/Rhodamine staining.



Aerospray® TB Model 7722

Slide Carousel Capacity	1 to 12 or 1 to 30 Slides, depending on carousel (carousel choice optional)
Cytoentrifuge Rotor Speed	100-2000 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	17.5 kg (38.6 lb)
Electrical Requirements	100 to 240 VAC (±10%) @ 50-60 Hz, 200 watts maximum
Drain Connection	Outlet on rear panel
Safety	Lid interlock: lid must be closed for operation, and is locked down during carousel rotation.
Reagent Level Detect	Level detection on all reagent lines
Waste Level Detect	Level detection in waste bottle (optional)

Stain Consumption Specifications

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	1000 (5)*	1333 (3)*	2150 (5)*	1666 (5)*
	Fluorescence Decolorizer				
Counterstain 500 mL	Brilliant Green	685 (6)*	1411 (2)*	923 (6)*	2068 (2)*
	Methylene Blue				
	Potassium Permanganate				
	Thiazin Red/Carbol Solution (EU)				
Primary Stain 500 mL	ELITe ZN	406 (4)*	685 (2)*	530 (4)*	923 (2)*
	Auramine				
	Auramine / Rhodamine				

*Programmed reagent settings

Cytopro® Cytoentrifuge 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")

Catalog #	Description		Catalog #	Description
MODEL 7722	AEROSPRAY® TB Slide Stainer/Cytoentrifuge	FLUORESCENCE	SS-061AF	TB Reagent A, Fluorescence Decolorizer, 500mL
AC-160	Cytopro® Rotor		SS-061BP	TB Reagent B, Potassium Permanganate, 500mL
SS-029	Aerospray® Nozzle Cleaning Solution, 355mL		SS-061CA	TB Reagent C, Auramine O, 500mL
SS-029C	Aerospray® Nozzle Cleaning Solution Concentrate, 250mL		SS-061CAR	TB Reagent C, Auramine/Rhodamine (mod), 500mL
SS-061M	TB Reagent P, Mycohold™ Cell Adhesive, 500mL		SS-161AF	TB Reagent A, Fluorescence Decolorizer Concentrate, 30mL
SS-161M	TB Reagent P, Mycohold™ Cell Adhesive Concentrate, 100mL		SS-161BP	TB Reagent B, Potassium Permanganate Concentrate, 200mL
SS-230	Aerospray® Stain Residue Solvent, 500mL			
SS-249	Acid Fast Stain Control Slides, Pack of 50		SS-061A	TB Reagent A, Carbol Fuchsin Decolorizer, 500mL
SS-266	Aerospray® PM Cleaning Solution, 500mL		SS-061BBG	TB Reagent B, Brilliant Green, 500mL
SS-MeOH	Aerospray® Reagent Grade Methanol, 500mL		SS-061BMB	TB Reagent B, Methylene Blue, 500mL
AC-187	Barcode Scanner and Waste Level Detect Bundle	ZIEHL-NEESEN	SS-061CEZ	TB Reagent C, ELITe ZN, 500mL
AC-188	12-Slide Carousel, Aerospray® Stainers		SS-161A	TB Reagent A, Carbol Fuchsin Decolorizer Concentrate, 30mL
AC-189	30-Slide Carousel, Aerospray® Stainers		SS-161BBG	TB Reagent B, Brilliant Green Concentrate, 130mL
			SS-161BMB	TB Reagent B, Methylene Blue Concentrate, 130mL

*Please check additions to catalog numbers made in your country

WORLD LEADER IN AEROSPRAY® STAINING TECHNOLOGY AND CYTOCENTRIFUGATION

50 YEARS

“Proven Performance, Time After Time.”

ELITechGroup has been in operation for nearly 50 years and distributes to over 100 countries. Proud to be the World Leader in Aerospray staining technology and Cytocentrifugation, offering the world’s most reliable solutions in performance and reliability. ELITechGroup is confident that this automated technology will elevate the performance of any laboratory and facilitate superior results.

Join the thousands of laboratories utilizing the world’s best staining technology and take your laboratory to a new level of efficiency and performance.



ELITechGroup has been certified by BSI to ISO 13485:2016 under certificate numbers MDSAP 689350 and FM 703046



WORLDWIDE OFFICES

Please contact your sales representative for terms, conditions and product availability in your country.

Headquarters

Australia
Belgium & Luxembourg
Brazil
France
Italy
New Zealand

+33 1 41 45 07 10

T: +61 1800 815 098
T: +32 9 282 05 31
T: +55 27 3025 1415
T: +33 4 83 36 10 82
T: +39 02 48 40 35 42
T: +64 800 555 611

Serbia
Switzerland
The Netherlands
UK
United States

T: +381 11 2467119
T: +41 26 663 86 60
T: +31 313 430 500
T: +44 1442 869320
T: +1 435 752 6011



 **ELITechGroup**
EMPOWERING IVD
AEROSPRAYSTAINING.com
info@ELITechGroup.com