



Hematology

AEROSPRAY® HEMATOLOGY PRO Slide Stainer / Cytocentrifuge

Series 2



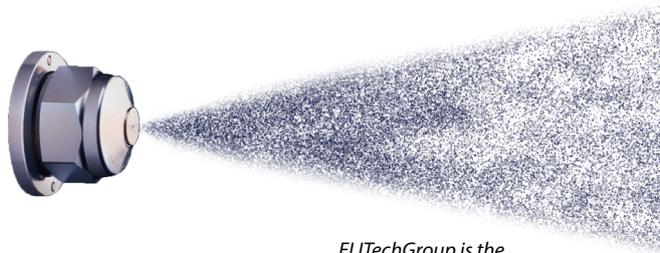
WORLD'S BEST STAINER IN PERFORMANCE AND RELIABILITY

ALCOHOL BASED

Automates the staining of blood and other body fluids to facilitate enhanced clarity using a rapid stain mode, a longer Wright-Giemsa mode, a May Grünwald Giemsa (MGG) mode or custom settings.

DO MORE IN LESS TIME WITH AEROSPRAY® PRO 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

- ▶ Bone Marrow
- ▶ Body Fluids
- ▶ Cerebrospinal Fluid
- ▶ Urine
- ▶ Washes
- ▶ Blood
- ▶ Sputum
- ▶ Aspirates
- ▶ Synovial



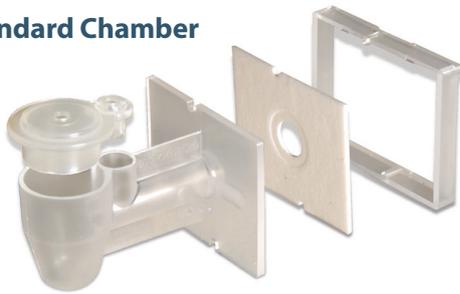
FIVE-TO NINE-FOLD INCREASE IN THE NUMBER OF CELLS ON A SLIDE¹

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.

¹ Huppmann, 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 HEMATOLOGY STAINING



THE STAINING STEPS

1 Smears are automatically fixed with methanol or with Aerofix® fixative (alternatively, slides can be hand-fixed using methanol).

2 With the choice of Rapid Wright Giemsa, Wright-Giemsa, May-Grünwald Giemsa, and Custom stain, all cellular components are presented clear and precise.

3 Thiazine and Eosin dyes join together to demonstrate all cellular components.

4 Two pH buffers allow for customization in color. Each clears out unbound stain leaving a clean image.

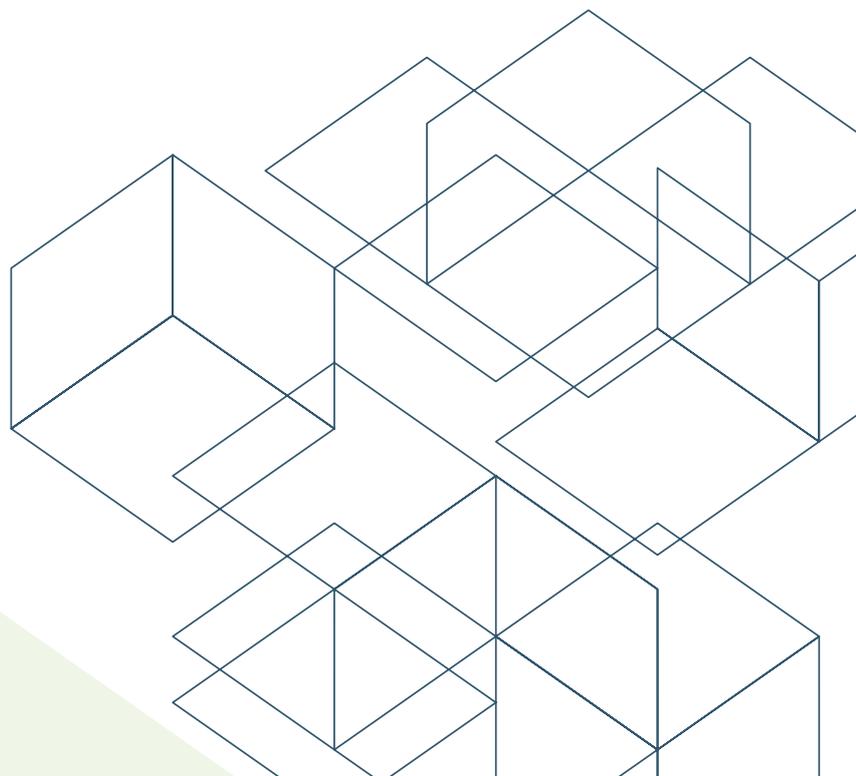
 High speed, low duration spin creates dry slides, ready for the microscope in minutes!

DETAILS MAKE THE DIFFERENCE

Simultaneous contact by both dyes produces the classic staining patterns with superior, textbook-quality results. The thiazin and eosin dyes are loaded separately onto the instrument to correct the reagent stability problems common to mixed stains. These stains are automatically combined and mixed prior to application to produce superior results. In fact, many customers purchase the Aerospray Pro just for its superior staining of bone marrow smears.

SUPERIOR STAINING FLEXIBILITY

Aerospray offers a versatile selection of 9 different intensities for each of the 4 set programs: Rapid Wright-Giemsa, Wright-Giemsa, May-Grünwald Giemsa, and Custom Stain with simple adjustment routines to tailor the staining to individual preferences.



Aerospray® Hematology Pro Model 7152

| | |
|-----------------------------|--|
| Slide Carousel Capacity | 1 to 12 or 1 to 30 Slides, depending on carousel (carousel choice optional) |
| Cytocentrifuge Rotor Speed | 100-2000 rpm (\pm 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 | 16.3 kg (35.9 lb) |
| Electrical Requirements | 100 to 240 VAC (\pm 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 | Theoretical Maximum Number Of Slides Per Bottle for a Full 12 Slide Carousel Medium Intensity Setting: #5 | | | |
|-------------------|---|---------------|---------------------|--------------|
| | Rapid Wright Giemsa | Wright Giemsa | May-Grünwald Giemsa | Custom Stain |
| Buffered Rinse 5L | 6660 | 2028 | 2028 | 2028 |
| Thiazin 500 mL | 1584 | 1584 | 876 | 948 |
| Eosin 500 mL | 1584 | 1584 | 1500 | 1344 |
| Fixative 500 mL | 996 | 996 | 996 | 996 |

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") |

| Catalog # | Description |
|----------------|--|
| MODEL 7152 | Aerospray® Hematology Pro Slide Stainer/Cytocentrifuge |
| AC-160 | Cytopro® Rotor |
| SS-029 | Aerospray® Nozzle Cleaning Solution, 355mL |
| SS-029C | Aerospray® Nozzle Cleaning Solution Concentrate, 250mL |
| SS-048 | Hematology Reagent D, Aerofix® Fixative, 500mL |
| SS-071A | Hematology Pro Reagent A, Buffer (pH 6.8), 1Gal |
| SS-071B | Hematology Pro Reagent B, Thiazin Stain, 500mL |
| SS-071C | Hematology Pro Reagent C, Eosin Stain, 500mL |
| SS-072A | Hematology Pro Reagent A, Buffer (pH 7.2), 1Gal |
| SS-148 | Hematology Reagent D, Aerofix® Fixative Concentrate, 135mL |
| SS-171A | Hematology Pro Reagent A, Buffer (pH 6.8) Concentrate, 30mL |
| SS-171B2 | Hematology Pro Reagent B, Thiazin Stain Concentrate, 200mL |
| SS-171C2 | Hematology Pro Reagent C, Eosin Stain Concentrate, 220mL |
| SS-172A | Hematology Pro Reagent A, Buffer (pH 7.2) Concentrate, 30mL |
| SS-230 | Aerospray® Stain Residue Solvent, 500mL |
| SS-MeOH | Aerospray® Reagent Grade Methanol, 500mL |
| AC-187 | Barcode Scanner and Waste Level Detect Bundle |
| AC-188 | 12-Slide Carousel, Aerospray® Stainers |
| AC-189 | 30-Slide Carousel, Aerospray® Stainers |

*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.



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