



SINGLE AUTOMATED STAINER - ZIEHL-NEESEN LSAS-A10Z

With its simple and advanced interface technology, the Single Automated Stainer- Ziehl Neelsen LSAS-A10Z provides rapid, standardization results and is suitable for performing automated staining processes to reduce manual errors. With a capacity of 1.2 to 1.8 ml, reagent consumption is very low, and throughput is high when using either a 10 or 20 slide carousel. The instrument uses a fully automated system with a 13 – 18 minute stain time to provide fast, easy, and reliable staining for a variety of specimens.

Features

- ❑ Innovative and compact design
- ❑ Automated gram stainer is capable of uniformly staining up to 10 slides (optional 20 slides and optional tray available) in a matter of minutes.
- ❑ The device comes with a self-contained and more convenient staining reagent kits
- ❑ Staining is controlled with a microprocessor built with advanced software for flexibility in stain application
- ❑ Offers high-quality and excellent adhesive, features microscopic slides for longer adhesion of sample without any cross-contamination
- ❑ The front operative panel provides easy regulation and adjustment for rapid loading with the carousel button.
- ❑ Provides automatic cleaning system for easy and maintenance free for tray cleaning
- ❑ Prevents falling of the sample slides by fixing slides horizontally inside the automated stain chamber
- ❑ Avoids excess use of reagent by allowing the reagent to get along the plastic tubing through the carousel inside the chamber with total reagent consumption of 1.2 to 1.8 ml per slide
- ❑ The unit comes with six functional key controls including Stain, Prime, Clean, Dry, Reset, Up & Down stains for quick and manual free staining
- ❑ The unit is prompt with easy 7 to 8 steps processing
- ❑ An automatic stainer allows stain time for a single cycle of 13 to 18 minutes, which can be varied by a timer.

Technical Specifications

Model	LSAS-A10K
Slide Tray Capacity	1 to 10 slides(1 to 20 slides by adding Optional Tray)
Clearance Height	Lid Open: 565 mm
Tray Rotation Speed	Approx. 6 rpm (stain mode) / Approx. 300 rpm (dry mode)
Used Reagent	Carbol Fuchsin
	Acid Alcohol
	Methylene blue
Reagent Consumption	1.2 ml to 1.8 ml
Operating Control	6 mode key (stain, prime, clean, dry, reset, slide up/down)
1 Cycle Stain Time	10 slides : 13 minutes
	20 slides: 18 minutes
	(Option-Kinyoun)
Display	LCD
Staining process	Stain, Prime, Clean, Dry, Reset, Slide up/down
Optional Accessories	Additional slide tray for 10 slides
Drain Connection	Nipple on rear Panel
Power	Max.800 W (heating)
Power Supply	AC100 to 240V /50 to 60 Hz(Auto selection)
Dimension (W×D×H)	480x 445x265 mm
Weight	20 kg

Standard Accessories

Accessories	Capacity
Reagent Bottle	1 L with 1 set
Water bottle	5 L with 1 set
Reagent Container	1
Reagent Container cable	1
Power cord	1
Drain hose	1
Reagent connection Tube	1 set
Spare fuse	1
Carbon filter	5
User's manual	1
Quick installation and user's guide	1

Applications

The Automated Gram Stainer is vastly used in positive and negative gram staining in R&D, microbiological and clinical diagnostic applications.