



Multi Automated Stainer

LMAS-A20

Multi Automated Stainer LMAS-A20 offers a high-throughput and flexible staining process with 3 in 1 solution- Ziehl-Neelsen, Kinyoun, and Fluorescence. A maximum of 10 to 20 slides can be stained per cycle, which takes 13 to 18 minutes to complete and uses 1.2 to 1.8 ml of reagent per slide. The device is able to fit on any countertop and is quick and simple to use, with an automatic cleaning cycle and internal diagnostic software.

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		LMAS-A20
Staining Method		Selectable Ziehl-Neelsen, Kinyoun & Fluorescence
Slide Tray Capacity		1 to 10 slides
Clearance Height		Lid Open: 565 mm
Tray Rotation Speed		Approx. 6 rpm (stain mode) / Approx. 300 rpm (dry mode)
Used Reagent	Ziehl-Neelsen	Carbol Fuchsin: 1.2 ml to 1.8 ml Acid Alcohol: 1.2 ml to 1.8 ml Methylene blue: 1.2 ml to 1.8 ml
	Kinyoun	Carbol Fuchsin: 1.2 ml to 1.8 ml Acid Alcohol: 1.2 ml to 1.8 ml Methylene blue: 1.2 ml to 1.8 ml
	Fluorescence	Auramine-Rhodamine: 1.2 ml to 1.8 ml Acid Alcohol: 1.2 ml to 1.8 ml Potassium Permanganate: 1.2 ml to 1.8 ml
Operating Control		6 mode key (stain, prime, clean, dry, reset, slide up/down)
Staining Time		10 slides : 13 minutes
		20 slides: 18 minutes
Display		LCD
Staining Process		Stain, Prime, Clean, Dry, Reset, Slide up/down
Power		Max 800 W (heating mode) / 50 W (normal)
Power Supply		AC100 to 240V /50 to 60 Hz(Auto selection)
Dimension		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	2
Reagent Container cable	2
Power cord	1
Drain hose	1
Reagent connection Tube	1 set
Spare fuse	1
Carbon filter	5
Acryl cover	1
User's manual	1
Tray holder	1

Applications

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