

Gram Staining & Acid Fast Staining (Ziehl-Neelsen)

**Now
2 in
ONE**

HiDuo™ Autostainer

HiDuo™ Autostainer LA999



LA999 **New**

Simplicity: Just need to set desired Q'ty and start the staining cycle. All of staining process can be controlled by program. It provides reproducibility by controlling all phase of Stain cycle precisely.

No Cross Contamination
LA999 is available to apply fresh reagent on slides mounted in a rotating tray. Specimens contact only fresh, precisely metered stain from separate nozzles.

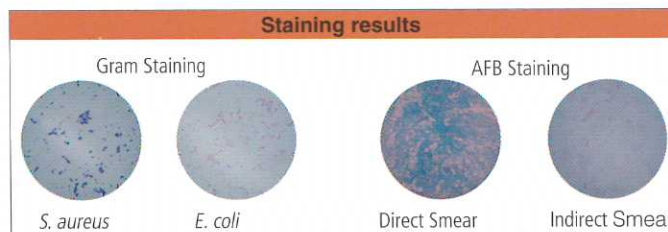
Easy Cleaning and Reagent level monitoring
LA999 designed to clean Tray, Nozzle, Pump and Valve easily. The reagent level monitoring function assures to remove wrong stain by lower level of reagent.

Heating system for Ziehl-Neelsen hot staining method
The automatic heating function is built in to stain it with heating. Temperature in the tray can be controlled. Duration and level of temperature can be pre programmed.

Available to stain for Gram and Ziehl-Neelsen
LA999 Can be used for Gram and Ziehl-Neelsen stainer just by simple selection and it can be available to obtain accurate and precision stain.

Salient Features

- Available to stain for **Gram and Ziehl-Neelsen (2 in one)**
- Stain and dry up to **10 slides in 13 minutes**
- **No cross-contamination** in all process
- Reduction in **labour costs**
- **Heating system** for Ziehl-Neelsen staining
- **Easy cleaning system** to clean tray and Staining nozzle
- Checking and Warning alarm for **lower level of reagent**
- **Minimize personal variation** during AFB staining



LA999 : Gram and Ziehl-Neelsen		
Staining method	Gram	Ziehl-Neelsen
Slide Tray Capacity	1 – 10	1 – 10
Tray Rotation Speed	Approx. 200RPM	
Display	4 Line by 20 character alpha-numeric LCD dot-matrix	
Key Button Controls	6 Mode Key(Stain, Prime, Clean, Dry, Reset, Up, Down), 6 Function selection	
Used Reagent/ Consumption	Crystal Violet: 1.2 ml – 1.8 ml Grams Iodine: 1.2 ml – 1.8 ml Grams Decolorizer: 1.2 ml – 1.8 ml Safranin: 1.2 ml – 1.8 ml	Carbol-Fuchsin: 1.2 ml – 1.8 ml AFB Decolorizer: 1.2 ml – 1.8 ml Methylene Blue: 1.2 ml – 1.8 ml
1 Cycle Stain Time (Typical)	10 slides in 13 minutes	10 slides in 15 minutes
Dimensions	480(W) x 445(D) x 265(H) mm, Clearance Height (Lid open) : Max. 565 mm	
Weight	Approx. 20 kg	
Electrical Requirements	100-240 V (Auto selectable) @50 to 60 Hz	
Power Consumption	Max. 800 Wats (Heating mode) / Max. 50W (Normal)	
Safety	Lid interlock : Lid must be closed, and is locked down during operation	
Standard Accessories	1L Reagent bottle (1 set each), 5L Water bottle (1), Reagent container (2), Reagent container cable (2), Power cord (1), Drain hose (1), Reagent connector tube (2 set), User Manual (1), Quick installation user's guide (1), Spare fuse (1), Carbon filter (5)	



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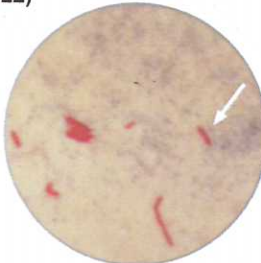
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Readymade Staining Solutions

Product	Code	Packing
Stains for Gram Staining ▲		
Gram Stains - Kit (contains S012, S032, S013 and S027 or S038)	K001-1KT	1kt
	Gram Stains Kit (K001) Gram - positive : violet coloured Gram - negative : pinkish red coloured	
Gram's Crystal Violet	S012-125ML	125ml
Gram's Decolourizer	S032 - 2x125ML	2x125ml
Gram's Iodine	S013-125ML	125ml
Safranin, 0.5% w/v (Gram's Counterstain)	S027-125ML	125ml
Basic Fuchsin 0.1% w/v (Gram's counterstain)	S038-125ML	125ml
Gram Stains - Kit (contains S012, S032, S013 and S027 or S038)	K001L-1KT	1kt
Gram's Crystal Violet	S012-500ML	500ml
Gram's Decolourizer	S032-2x500ML	2x500ml
Gram's Iodine	S013-500ML	500ml
Safranin, 0.5% w/v (Gram's Counterstain)	S027-500ML	500ml
Basic Fuchsin 0.1% w/v (Gram's counterstain)	S038-500ML	500ml
Stains for Mycobacteria Staining ▲		
Fluorescent Stains - Kit for Mycobacteria (contains S042, S043 and S044)	K021-1KT	1kt
Phenolic auramine	S042-125ML	125ml
Mycobacteria decolourizer	S043-125ML	125ml
Potassium permanganate	S044-125ML	125ml
Fluorescent Stains - Kit for Mycobacteria (contains S042, S043 and S044)	K021L-1KT	1kt
Phenolic auramine	S042-500ML	500ml

Product	Code	Packing
Mycobacteria decolourizer	S043-500ML	500ml
Potassium permanganate	S044-500ML	500ml
HiCold Stain TB - Kit for Mycobacteria [Kit contains 100ml each of Carbol Fuchsin Solution-S080, Decolourizer-S099, Counter Stain (Loeffler's Methylene Blue) S081]	K062S-1KT	1kt
HiCold Stain TB - Kit for Mycobacteria [Kit contains 500ml each of Carbol Fuchsin Solution-S080, Decolourizer-S099, Counter Stain (Loeffler's Methylene Blue)-S081]	K062-1KT	1kt
HiFluo-Phenol Free Stain - kit for Mycobacteria [Kit contains 200ml each of Auramine – Rhodamine solution (Phenol free)-S082, Decolourizer-S099 (2 x200), Potassium Permanganate Solution-S083]	K061-1KT	1kt
Stains for Acid Fast Staining ▲		
ZN Acid Fast Stains - Kit (contains S033,S005 and S022)	K005-1KT	1kt
	ZN Acid Fast Stains Kit (K005) Acid fast organisms - Bright red Other organisms & cellular material Blue	
Acid Fast Decolourizer	S033-125ML	125ml
Carbol Fuchsin (ZN,Strong)	S005-125ML	125ml
Methylene Blue (Loeffler's)	S022-125ML	125ml
ZN Acid Fast Stains - Kit (contains S033, S005 & S022)	K005L-1KT	1kt
Acid Fast Decolourizer	S033-500ML	500ml
Carbol Fuchsin (ZN,Strong)	S005-500ML	500ml
Methylene Blue (Loeffler's)	S022-500ML	500ml

All the above products to be stored between 10-30°C.

☐ Customized Pack sizes are available



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For life is precious