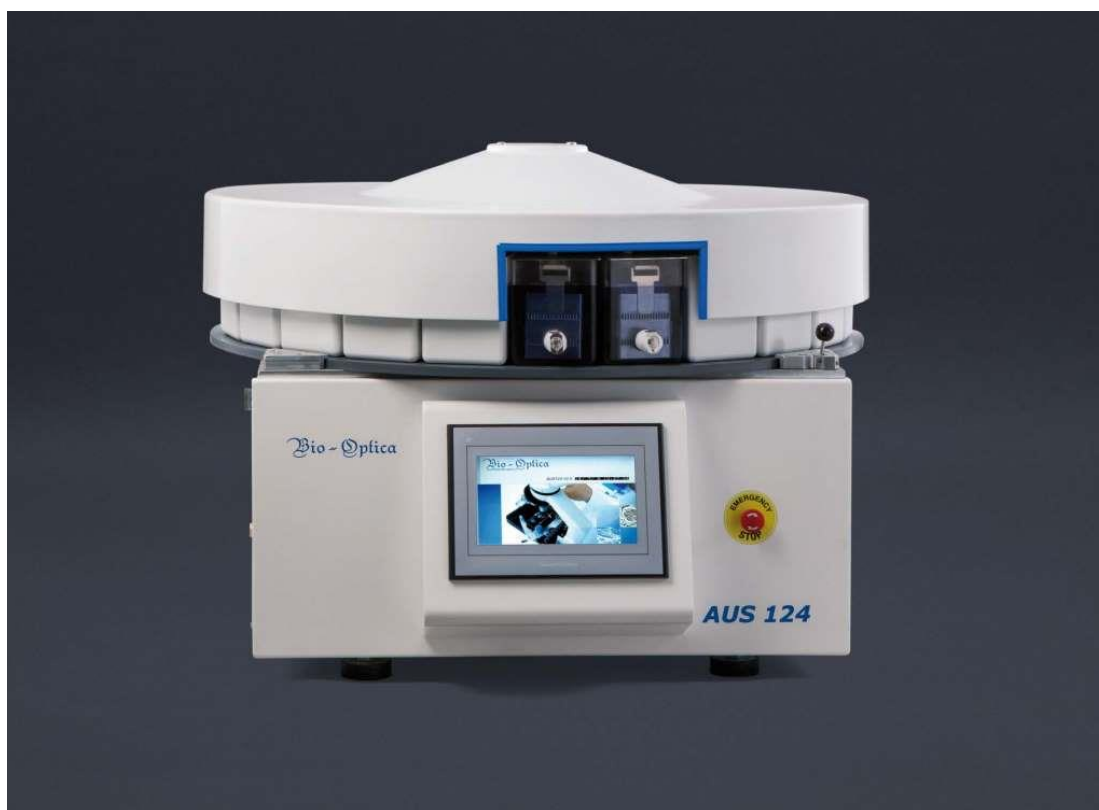


AUTOMATIC STAINER AUS124

IVD In vitro diagnostic-medical device

CND Code: W0202059002 - **CIVAB Code:**



General information

Type of instrument:	Automatic stainer.
Model:	AUS124.
Code:	40-400-000.
Description:	Carousel automatic stainer for colouring histological and cytological slides.
Manufacturer:	Bio-Optica Milano S.p.A.
Distributor in Italy:	Bio-Optica Milano S.p.A.
Marketing:	Since 2014.

Dimensional features

Dimensions (WxDxH): 750x750x650 mm.

Weight: 75 Kg.

Electrical connections

Power supply: 230V~ 50/60Hz.

Power: 120 Watt.

Other connections

Water connections: Provided pipes for supplying the running water dishes:

N. 1 running water inlet pipe, internal Ø 10 mm, provided with rapid connection with interception.

N. 1 running water outlet pipe, internal Ø 18 mm.

N. 2 neoprene pipes - internal Ø 10 mm, one metre long - provided with rapid connection with interception (for the connection between the dishes and the instrument).

Water pressure: From 2,5 to 4 bar.

Structural features

- Painted steel chassis resistant to scratches and solvents.
On the right side are placed: N. 1 green general switch, N. 1 power supply socket with relative fuses, N. 2 connectors for pipes connecting running water dishes/instrument
On the left side are placed: N. 1 connector connecting running water inlet pipe, N. 1 connector connecting running water outlet pipe, N. 1 running water pressure regulator, N. 1 filter seat cover provided with handle.
 - External cover for containing fumes.
 - Basket holder cover, positioned under the external cover, provided with 24 guides for coupling one or more baskets and 24 stainless steel covers for covering the dishes.
 - Central basin for carrying waste water from wash dishes to the drain placed on the left side of the instrument.
 - N. 4 adjustable rubber feet to get a perfect horizontal position.
 - Aspiration/filtration system for the treatment of fumes. The instrument is provided with N. 1 active charcoal cartridge filter specific for alcohol and xilol. Practical filter's replacement from the left side of the instrument.
 - Revolving dish holder disk to facilitate the access to the dishes placed on the back side.
 - N. 2 stainless steel slide holder baskets (capacity 65 standard slides 26x76 mm).
 - N. 21 reagents dishes (capacity 750 ml) in white thermoplastic material.
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- N. 1 dish (capacity 750 ml) in white thermoplastic material for baskets load/discharge in position 0.
 - N. 2 running water dishes (capacity 750 ml) in transparent thermoplastic material.
 - N. 2 independent electric valves which activate the water flow when there is the passage in running water.
 - Pressure regulator to regulate the water flow.
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Working features

- General ignition switch.
- Emergency switch for stopping all the machine functions at any time.
- Entire management of the instrument through use of single colour touch screen panel with intuitive graphics.
- Possibility of visualizing steps of program during the execution of the cycle.
- Possibility of memorizing more than 999 different protocols of coloration, with maximum number of 48 steps for each.
- Possibility of programming for each station: time of immersion/oscillation and dripping from 00' : 01" up to 59' : 59".
- Page of visualization and description of alarms accessible also during the execution of the program.
- Possibility of stopping and restarting a program (in case of possible controls, filling up of reagents, ecc.).
- Visual and acoustic alarm in case of cycle end.
- Visual and acoustic alarm in case of filter saturation.
- Visual and acoustic alarm in case of table out of position.
- Visual and acoustic alarm for water discharge (malfunction of electric valve, obstruction discharge pipes, etc.).
- Possibility of visualizing the steps of the stations during the cycle.
- Possibility of programming without leaving the general program page.
- Possibility of varying the parameters of the steps also during the execution of the running program.
- Possibility of deleting the program steps without leaving the general page.
- Visualization of programs time already executed by date and hour.

Control panel

The adopted intuitive touch screen control panel is a useful instrument for the programming, modification, visualization of the parameters of work and the control of the process of coloration.



Main menu screen



Programmes monitoring screen

Standard components included in the equipment

Quantity	Description	Code
21	REAGENTS DISH (capacity 750 ml)	40-400-050
1	DISH FOR BASKETS LOAD/DISCHARGE (capacity 750 ml)	40-400-050
2	RUNNING WATER DISH (capacity 750 ml)	40-400-051
2	SLIDE HOLDER BASKET (capacity 65 standard slides)	40-400-052
1	ACTIVE CHARCOAL FILTER	40-400-053

Recommended stainers and reagents

Code	Description	Packaging
05-06002/L	Mayer hematoxylin	1 liter bottle
05-10002/L	Eosin Y aqueous solution 1%	1 liter bottle
05-10003/L	Eosin Y alcoholic solution 0,5%	1 liter bottle
05-12011/L	Papanicolaou Harris hematoxylin	1 liter bottle
05-12019/L	Papanicolaou EA50	1 liter bottle
05-12013/L	Papanicolaou OG6	1 liter bottle
06-10070E	Dehyol 95 - alcohol for histology	1 tank 2,5 litres
06-10077E	Dehyol absolute - alcohol for histology	1 tank 2,5 litres
26-100200	Xilene - solvent for histology	1 tank 5 litres
05-BMHM508	Bio Mount HM, mounting medium	8 bottles 500 ml
04-090805Q	MGG quick stain	1 bottle 2,5 l for 3 reagents
05-12055	Fast Pap kit	500 test
09-0MB90	Microscope slide ground 90°, original Menzel, sandblasted end	1.000 pcs