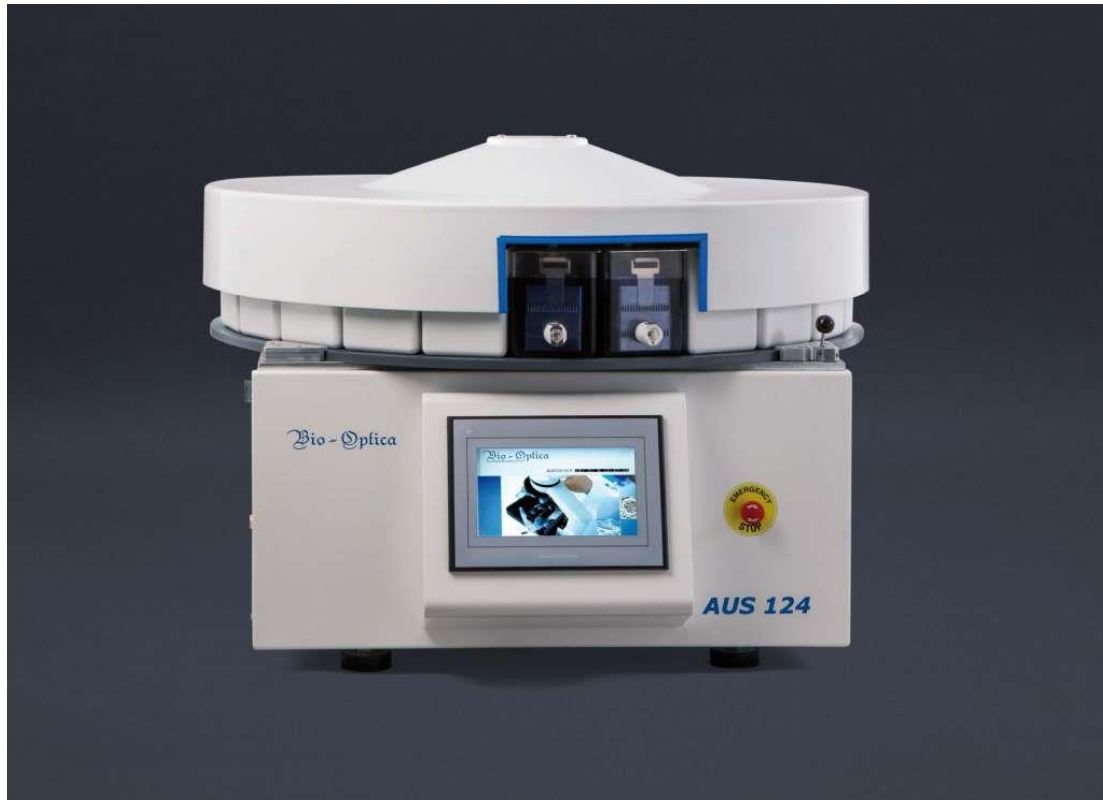


## AUTOMATIC STAINER AUS124

**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.

Publication date: 29/03/2018

Rev. 01

---

## 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.

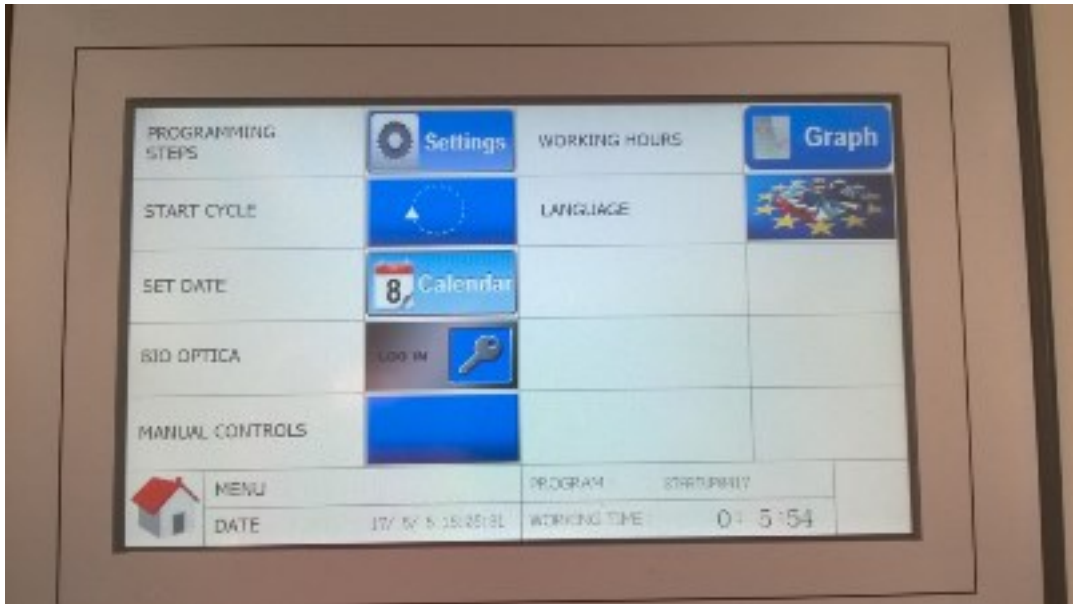
- N. 1 dish (capacity 750 ml) in white thermoplastic material for baskets load/discharge in position 0.
  - N. 2 running water dishes (capacity 750 ml) in transparent thermoplastic material.
  - N. 2 independent electric valves which activate the water flow when there is the passage in running water.
  - Pressure regulator to regulate the water flow.
- 

## 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