

Bio Optica AUS140

IVD In Vitro Diagnostic Medical Device

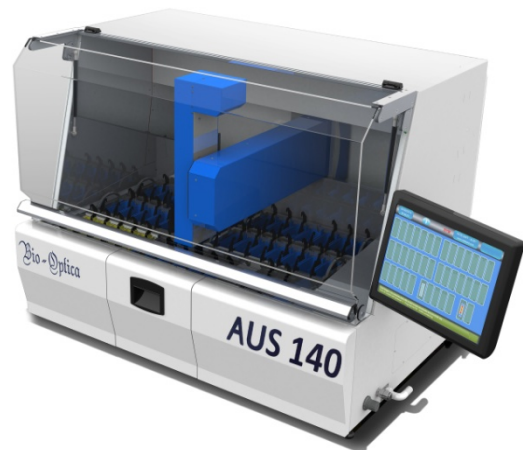
Code **CND**: W0202059002

General information

Type of instrument:	Stainer for Histology
Model:	Bio Optica AUS140
Product code:	40-400-200 Without oven 40-400-250 With oven
Description:	Stainer for Histology with X - Y axis shifter, fully programmable, and suitable for all histological and cytological staining
Manufacturer:	Bio Optica Milano S.p.A.
Distributor for Italy:	Bio Optica Milano S.p.A.
Commercialisation:	form 2014

Dimension

Dimension (l x p x h):	1.150 x 770 x 900 mm
Monitor (l):	+ 400 mm
Worktops (l x p):	1.150 x 770 mm
Weight:	150 kg



Electrical wiring

Power supply:	220 ÷ 240 V / 50 Hz
Electrical power	800 VA

Other connections

Water connections: Running water with loading tube \varnothing 10 mm and the exhaust pipe \varnothing 18 mm (3/4")

Functional characteristics

Operational capacity	Continuous loading of a basket of 30 slides, with productivity due to the staining protocol (though more than 2,000 slides / day)
Mode of operation	Random staining procedures freely assignable to each basket (30 slides), with simultaneous execution of a number of processes limited only by the availability of baths and the type of staining (approximately 10 - 12 max processes)
Process stations	40 stations total
Reagents stations	28 plastic baths resistant to the reagents, with a capacity of 485 ml, the baths are mounted on racks 7, easily removable from the instrument for refilling / replacing reagents and cleaning
Rinse stations	5 baths with pressure regulator and flow timing
Drying stations	2, with forced ventilation of hot air at 60 °C, electronic control, discretion 1 °C
Loading and unloading stations	2 to the load 3 and the unload, accessible keeping closed the instrument
Agitation	Vertical movement independent of the transport arm
Drip	Can be set by software
Fumes neutralization	Extraction system and integrated active carbon filtration
Emergency power	Internal UPS only by keeping the CPU and the current data, range 30 minutes

Functions for monitoring and control

Storable programs	Over 50 programs, with more than 100 parameters for program
Programming immersion time	from 1" to 99' 59", discretion 1"
Interface	Touch screen monitor, with a large color display that can show graphically the progress of ongoing programs, the scheme of the process baths and all the relevant data of the colors
Quality management system	Fully managed by the software, with control of the workload of the reagents; possibility of producing paper reports the activities of staining, complete with all the real parameters of the process; transfer data directly to a printer or through storage support
Password system	1-level protection of the various functions of the software, settable by the operator
Backup system	Flash memory external / removable via the USB ports on the right side easily accessible

Notes on use

Bio Optica AUS140 is a stainer of XY type of modern design, especially geared to the protection and safety of the operators..

The working scheme provides an arm able to move according to the transverse and longitudinal axes of the instrument, positioning the system of movement of the baskets in correspondence of the baths containing the reagents

28 baths for the reagents are arranged in two rows, while the front row has rinse 5 baths with current water and a drawer with 2 loading stations and 3

unloading stations. The 2 remaining positions are hot air drying stations.

The fully electronic control of the process is controlled by a personal computer integrated with a large touch screen and ability to control operating conditions in the laboratory.

The highly sophisticated software handles multiple programs optimized staining, with graphical representation of the progress of each color, with ample opportunity for management and quality control of the process.

Standard components included in the equipment

Quantity	Description	Code
33	REAGENTS BATHS (capacity 485 ml)	40-400-254
5	WATER BATHS (capacity 485 ml)	40-400-251
10	RACKS OF 30 SLIDE	40-400-252
1	ACTIVE CHARCOAL FILTER	40-400-253

Optional accessories

Quantity	Description	Code
1	COLLECTOR CONNECTION FOR FUMESDISCHARGE OUTSIDE	40-400-255
1	HANGER FOR SAKURA RACK	40-400-256
1	HANGER FOR SHANDON RACK	40-400-257
1	HANGER FOR LEICA RACK	40-400-258
1	HANGER FOR MEDITE RACK	40-400-259
1	HANGER FOR MICROM RAK	40-400-260

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