

REAGENTS

Available also in prefilled bottle



FIXATION

Formalin
Cell-Block (*formalin substitutive*)

DEHYDRATION

Dehyol 70
Dehyol 95
Dehyol absolute
Unyhol

CLEARING

Bio-Clear
Unyhol Plus

INFILTRATION

Bio Plast paraffin
Bio Plast Extra paraffin
Bio Plast Plus paraffin

PURGE

Xylene

Bio-Optica
www.bio-optica.it

DISTRIBUTOR:



INSTRUMENTS

FEATURES

EHE for no-delay reagents heating (*only FTP300*)
HMI software: user friendly, simple and clear
Reagent Handling System: for reagents, waxes, filters
Wax Cleaning Cycle: efficient on site system
Reagent agitation: user selectable
Remote fill/Drain automatic for reagents and purge agents
Data backup on USB port
User interface: LCD 15" color monitor with Touch Screen
Process programs: 12; overnight or fast (*only FTP300*)
Delay: up to 14 days
Reverse processing special program
Process End Time mngt: for every program, with auto-store
Purge programs: 1, factory optimized, with SPC drying step
Charcoal filters: 2, easy substitution and safe handling
Anti-blackout and power failure device
Remote alarm socket
Sample Processing Chamber fume aspiration
Easy maintenance and service

TECHNICAL DATA

Rating: 230V 50/60Hz or 115V 50/60Hz
Max power: 1.000 W Weight: 120 kg (*empty*)
Dimensions (mm): 720 x 600 x 1.300 (*w x d x h*)
Running ambient temperature: +10°/+35°C
IEC1010 classification: Protective Class 1
Temperatures control precision: ±1°C
Paraffin waxes: 4 + 1 reserve
Wax working temperature range: +52°/+ 65°C
Sample processing chamber capacity: 300 standard cassettes
Reagents working temperature range: ambient/60°C (*only FTP300*)
Sample processing chamber completely stainless steel made
Sample baskets: 2 x 150 standard cassettes each with carrier
Reagents tanks: 10, volume 2,5 l with quick connectors
Purge agents tanks: 2, volume 2,5 l with quick connectors

OPTIONAL

Printer: 40 columns, normal paper, small footprint
UPS: 60' uninterruptable power source
Large specimen basket
GSM Remote Alarm and instrument check
Fume duct to connect the instrument to the lab fume duct

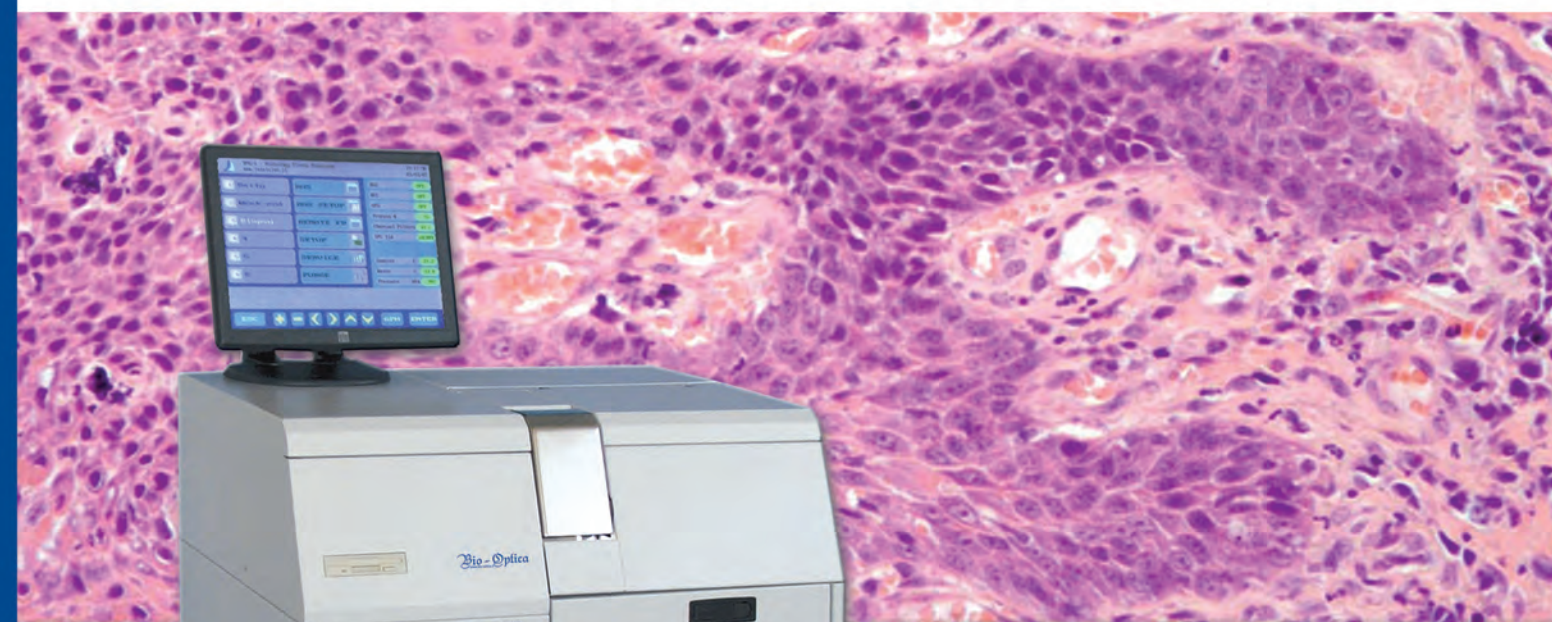
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INTEGRATED PROCESSING SYSTEMS

TISSUE PROCESSOR VTP300

TISSUE PROCESSOR FTP300

PREFILLED REAGENTS BOTTLES



TISSUE PROCESSOR VTP300



VTP300 AND FTP300



TISSUE PROCESSOR FTP300

Fully enclosed, "state of the art" featured, safe and highly reliable, the Bio-Optica VTP300 and FTP300 processor are the right answer for the day-by-day tissue processing needs of every histology laboratory.

With a processing capacity of 300 specimens, four paraffin containers and an easy to operate HMI (*human machine interface*), they set themselves at the top of the category.

Designed with in mind concepts of specimen's safety and operator ergonomics, the VTP300 and FTP300 are capable to perform also in not favorable environments.

Their fully automated RFD (*remote fill and drain*) device allows the users a safe, clean and easy reagents renewal.

Simple and economic service and maintenance is another of their key features.

FTP300

The Bio-Optica FTP300 is the safest and more cost effective answer for the FAST biopsies processing AND the OVERNIGHT tissue processing needs of every histology laboratory.

The FTP300 is the fastest non-microwave tissue processor today available. Up to 300 biopsies can be safely processed in about 40 minutes. This result can be achieved with the advanced Bio-Optica reagents.

The reagents heating is safely performed during their filling into the sample processing chamber without any delay by a patented device called EHE (*Enhanced Heat Exchanger*). Only three reagents (plus fixation) are necessary to successfully and rapidly process biopsies. Every sample is evenly warmed at the desired temperature since the very beginning of each processing step. Any risk of overheating is avoided thanks to the special conformation and the multiple safety devices of the EHE.

BIO-OPTICA SUGGESTED METHODS

FAST PROCESSING FOR FTP300

STEP	REAGENT	TIME	TEMPERATURE
1	FORMALIN or CELL-BLOCK	15 MINUTES	-
2	UNYHOL	15 MINUTES	55°C
3	UNYHOL PLUS	15 MINUTES	55°C
4	BIO PLAST PARAFFIN	15 MINUTES	60°C

STANDARD PROCESSING FOR FTP300 AND VTP300

STEP	REAGENT	TIME	TEMPERATURE
1	FORMALIN or CELL-BLOCK	1 HOUR	-
2	WATER	1 HOUR	-
3	DEHYOL 95	1 HOUR	-
4	DEHYOL 95	1 HOUR	-
5	DEHYOL ABSOLUTE	1 HOUR	-
6	DEHYOL ABSOLUTE	1 HOUR	-
7	DEHYOL ABSOLUTE	1 HOUR	-
8	BIO-CLEAR	1 HOUR	35°C
9	BIO-CLEAR	1 HOUR	40°C
10	BIO-CLEAR	1 HOUR	45°C
11	BIO PLAST PARAFFIN	1 HOUR	60°C
12	BIO PLAST PARAFFIN	1 HOUR	60°C
13	BIO PLAST PARAFFIN	1 HOUR	60°C
14	BIO PLAST PARAFFIN	1 HOUR	60°C

OR

STEP	REAGENT	TIME	TEMPERATURE
1	FORMALIN or CELL-BLOCK	1 HOUR	-
2	WATER	1 HOUR	-
3	UNYHOL	1 HOUR	-
4	UNYHOL	2 HOUR	-
5	UNYHOL	2 HOUR	-
6	UNYHOL PLUS	1 HOUR	35°C
7	UNYHOL PLUS	2 HOUR	40°C
8	BIO PLAST PARAFFIN	1 HOUR	60°C
9	BIO PLAST PARAFFIN	1 HOUR	60°C
10	BIO PLAST PARAFFIN	1 HOUR	60°C
11	BIO PLAST PARAFFIN	1 HOUR	60°C

THE VTP300 AND FTP300 CHAMBER

Completely made in high quality stainless steel.
 Safe and easy to operate lid lock mechanism.
 Special, easy to clean, surface treatment.
 Gas piston to keep the lid open.
 Lid open/close sensor.

