

Myr

Especialidades Médicas Myr, S.L.

Instruments for Anatomical Pathology



Photos courtesy of **Anatoscopo S.L.** (www.anatoscopo.cat), Institute of Pathology in Tarragona (Spain).

Especialidades Médicas Myr S.L., the company

Especialidades Médicas Myr, S.L. is a Spanish company dedicated to the development and manufacturing of instruments for anatomical pathology based in Llorenç del Penedès, a town located 70 km south of Barcelona.

Since its foundation 30 years ago, **Myr S. L.** has been active in the pathology field acting as OEM manufacturer for renowned companies and providing premium instruments for almost the whole range of specimen preparation. The reputation earned for the quality of the instruments and the reliability of our service over this period of time prompted the decision some years ago to distribute our products under our own brand name: **Myr**.

In this short period of time we have strengthened efforts to internationalise our products. The results achieved so far are encouraging. The success can be credited to a range of instruments that in terms of quality, reliability and price, exactly meet the requirements of many small and medium-large laboratories. Our portfolio includes a **tissue processor**, two **embedding centers** and an **automated slide stainer**; our commitment is to keep on developing instruments and become a full-range supplier for histology.

The key to our success lies in our reliability as a competent partner for all our customer's requirements, in our long-term experience as manufacturer of instruments and, last but not least, in the fact that all our products are 'made in Spain'.

Products

Spin Tissue Processor STP 120
Tissue Embedding Center EC 350
Tissue Embedding Center EC 500
Automated Slide Stainer Myreva SS-30

*Units are assembled at our premises in Llorenç del Penedès (Spain).
All components and parts of our products are made in Spain.*

Myr

Spin Tissue Processor STP 120

With more than 2.000 units installed around the world, the most successful semi-enclosed tissue processor ever.

A tissue processor removes water from tissues and replaces it with a medium that allows sectioning. Several methods are used to achieve this. The **STP 120** uses a patented technique that combines **rotational agitation, shaking** and **centrifuging***.

The basket with the cassettes are dipped into the reagent vessel where they turn at 60 rpm periodically in each direction. To get optimum results, there is



an optional shaking feature, which combines the rotational agitation with an up-and-down movement of the basket (*shaking*). Finally, the basket is placed over the reagent level and starts whirling at 120 rpm in order to minimize reagent carry-over.

Myr STP Processor can work with one or two baskets (option). Each basket can process up to 120 cassettes.

rotational agitation



shaking



centrifuging



Myr

*All other semi-enclosed processors in the market make only an up-and-down movement of the basket

Technical Data Spin Tissue Processor STP 120

Power requirements		Programming	
Nominal voltage	100 - 120 V 220-240 V AC	N° of programs	10 programs selectable
Network's frequency	50/60 Hz		
Capacity		Dimensions	
N° of reagent vessels	10 (9 with 3 paraffin baths)	Diameter	850 mm
Volume/vessel	1,8 l	Height	500 - 700 mm
N° of paraffin stations	2 (optionally 3)	Weight	145 kg
N° of baskets	1 (optionally 2)		
Capacity of baskets	120 cassettes (optionally 240)		

Versions

STP 120-1	Standard instrument (basic instrument, 10 reagent vessels, 2 paraffin baths, 1 stainless steel basket for 120 cassettes, 1 tool kit and 1 user manual).
STP 120-2	STP 120-1 + fume extraction system with charcoal filter.
STP 120-3	STP 120-2 + 3rd paraffin station and 2nd basket for another 120 cassettes.

Tissue Embedding Center EC 350

Embedding center featuring innovative design, easy operation and modularity that meets the requirements of modern labs.



After processing the tissue, the embedding center forms a block of paraffine containing the tissue.

Myr EC 350 is a modular embedding unit consisting of a **dispensing console** and a **cryo console**.

The **dispensing console** is equipped with two large trays both for molds and cassettes at both sides of the dispensing nozzle, where six heated holes for forceps and a large field magnifier are integrated. Ergonomical working is also enhanced with the

clear arrangement and ease-of-operation of the programming keypad at the front panel. The large capacity of the paraffin container rounds up the user-friendliness of the embedding modul.

The **cryo console** can be placed at both sides of the dispensing console. It depicts a large cooling surface up to 60 paraffin blocks and can be operated also as a stand-alone instrument.

Technical Data Tissue Embedding Center EC 350

Dispensing console EC 350-1

Dimensions

Console 650 x 595 x 432 mm

Tray 262 x 175 x 55 mm

Capacity

Paraffin reservoir 5 l

Left/right chamber 1,7 l / 190 cassettes
400 molds

Power requirements version 1 100-120 V
version 2 220-240 V

Cryo Console EC 350-2

Dimensions

Console 340 x 620 x 405 mm

Cold plate 375 x 307 mm

Capacity up to 60 cassettes

Temperature settings 0 / -12 °C

Weight 24,4 kg

Power requirements version 1 100 V
version 2 110 - 120 V
version 3 220 - 240 V

Options

Electrically heated tweezers

Tissue Embedding Center EC 500

Modular center with dispensing console, thermal and cryo unit for enhanced embedding of paraffin blocks.

This embedding center has been developed to meet the requirements of modern labs. In contrast to the EC 350, *Myr EC 500* consists of three separate modules with an increased capacity both of storage place and embedding surface.

The **thermal unit** integrates two large storages both for cassettes and molds that can accept baskets from any tissue processor.



The **dispensing console** is equipped with LED illumination, 8 heated holes for forceps, paraffin trimmer and connector for electrically heated tweezers. The control panel at the front allows easy programming and setup of working parameters.

The large surface of the **cryo unit** allows the storage of up to 60 cassettes or molds. Operation as stand-alone unit is possible.

Technical Data Tissue Embedding Center EC 500

Dispensing console EC 500-2

Dimensions

Console	345 x 641 x 405 mm
Heated area	340 x 253 mm

Adjustable temperature range

Paraffin reservoir	40-70 °C
Heated area / wells	40-70 °C

Capacity

Paraffin reservoir	5 l
--------------------	-----

Thermal Console EC 500-3

Dimensions

Console	340 x 623 x 395 mm
Cassette storage	269 x 510 x 88 mm
Mold storage	275 x 170 x 180 mm

Adjustable temperature range

Cassette storage	40-70 °C
Mold storage	40-70 °C

Cryo Console EC 500-1

Dimensions

Console	335 x 623 x 395 mm
Cold plate	375 x 307 mm

Adjustable temperature range

Cold plate	from 0 to -12 °C
------------	------------------

Options

Electrically heated tweezers
Magnifier

Automated Slide Stainer Myreva SS-30

Multi-loading stainer for routine and special staining that meets the demand for speed, convenience and versatility.



Myreva SS-30 is the perfect slide stainer for H&E and Papanicolaou staining and also meets the requirements for special and user-specified staining protocols.

This small benchtop unit features a compact footprint, so it is ideal for small and medium labs. The user can easily control the immersion time and speed, and additionally reduce carry-over by adjusting shake (dipping) and amplitude (vertical travel). It is also possible to customize water station positions to optimize and maximize efficiency to reduce staining times.

Myreva SS-30 works in multi-loading mode, which enables the 20-station stainer to run up to five racks (a total of 150 slides) simultaneously.

The stainer offers up to 2 loading, 3 unloading and 3 rinse stations, and also features a battery backup with a 2-hour lifecycle

Technical Data Tissue Slide Stainer Myreva SS-30

Specifications

Specimens	Histological and/or cytological	Dimensions	1.200 x 440 x 368 mm
Staining capacity	up to 5 racks simultaneously	Weight	55 kg
Slide rack capacity	30 slides	Nominal voltage	100-240 VAC / 50-60 Hz
N° of programs	up to 20	Drying station temperature	30 - 70 °C
Immersion time	from 1 s to 59 m		
Reagent stations	up to 19		
Water stations	up to 3		
Load stations	up to 2		
Unloading stations	up to 3		

Versions

SS-30	Automated slide stainer
SS-30H	Automated slide stainer with drying station & Reagent Management System

Myr's role in the pathology sector is not completed yet. In our aim to become a global instrument provider in the anatomic pathology field, we are continuously improving our current equipment and developing new devices.

We are confident that our customers will benefit from our product portfolio and will appreciate our efforts to supply them with top-quality devices and excellent service.



30 years equipping the world

Histology instruments **manufactured by**

Myr



Distributed by Abacus dx

1800 ABACUS (AUS) 0800 222 170 (NZ) | info@abacusdx.com | www.abacusdx.com

abacus dx