

Lot 9, Anexa tehnica**Sistem automat de colorare lame. AUTOMATIC SLIDE STAINER, model SS-30, MYR, Spania****DM000284032,****Rg04-000290 23.11.2020**

Cerinte licitatie	Specificatii oferite
Sistem automat de colorare lame Descriere Dispozitiv pentru colorarea automata a lamelor pentru hematologie, citologie, histologie, bacteriologie, s.a. Parametru Specificația Caracteristici sistem procesare simultana ≥ 5 stativ statii de procesare, total ≥ 20 statii de incarcare ≤ 2 statii de descarcare ≤ 3 statii de spalare ≤ 3 capacitate stativ ≥ 30 lame volum reagent / statie ≥ 300 ml memorie ≥ 20 programe capacitate program ≥ 50 pasi posibilitatea de a programa sistemul de agitare pentru fiecare statie in parte posibilitatea de a programa sistemul de agitare pentru fiecare statie in parte program special pentru statii de spalare moduri de programare ≥ 4 parametri configurabili ≥ 3 (numar, viteza, amplituda) timp de imersie 1 sec - 59 min, pasul ≥ 59 sec memorie reagenti pre-programati ≥ 32 definiti de utilizator ≥ 20 real-time display pentru protocoalele executate functie de drenare reagent interfata USB pentru transmiterea datelor spre calculator filtru pentru purificare aer cu carbon activat conectare la sistem de apa presiunea ≤ 4 bar temperatura ≤ 30 °C standard conectare $\frac{3}{4}$ " sistem dublu de protectie scurgere sistem canalizare drenaj prin gravitatie diametru teava ≤ 20 mm Caracteristici alimentare Acumulator LI-ion Autonomie acumulator ≥ 2 ore Alimentare prin bloc de alimentare extern Acesorii Dispozitivul sa fie livrat impreuna cu toate accesoriile necesare pentru punerea in functiune al dispozitivului vas pentru reagenti ≥ 20 buc vas pentru apa ≥ 3 buc	Sistem automat de colorare lame Descriere Dispozitiv pentru colorarea automata a lamelor pentru hematologie, citologie, histologie, bacteriologie, s.a. Parametru Specificația Caracteristici sistem procesare simultana 5 stativ statii de procesare, total 20 statii de incarcare 2 statii de descarcare 3 statii de spalare 3 capacitate stativ 30 lame volum reagent / statie 300 ml memorie 20 programe capacitate program 50 pasi posibilitatea de a programa sistemul de agitare pentru fiecare statie in parte posibilitatea de a programa sistemul de agitare pentru fiecare statie in parte program special pentru statii de spalare moduri de programare 4 parametri configurabili 3 (numar, viteza, amplituda) timp de imersie 1 sec - 59 min, pasul 59 sec memorie reagenti pre-programati 32 definiti de utilizator 20 real-time display pentru protocoalele executate functie de drenare reagent interfata USB pentru transmiterea datelor spre calculator filtru pentru purificare aer cu carbon activat conectare la sistem de apa presiunea 4 bar temperatura 30 °C standard conectare $\frac{3}{4}$ " sistem dublu de protectie scurgere sistem canalizare drenaj prin gravitatie diametru teava 20 mm Caracteristici alimentare Acumulator LI-ion Autonomie acumulator 2 ore Alimentare prin bloc de alimentare extern Acesorii Dispozitivul sa fie livrat impreuna cu toate accesoriile necesare pentru punerea in functiune al dispozitivului vas pentru reagenti 20 buc vas pentru apa 3 buc

capac pentru vas ≥ 23 buc stative pentru lame (capacitatea 30 lame) ≥ 3 buc suport pentru stativ cu lame ≥ 3 buc tub pentru conectarea la sistemul de apa ≥ 1 (~1,5 metri) tub pentru conectarea la sistemul de canalizare ≥ 1 (~3 metri) filtru pentru purificare aer cu carbon activat ≥ 1 buc Cablul USB pentru conectarea la calculator ≥ 1 buc bloc de alimentare ≥ 1 buc Calculator pentru programare 1 buc	capac pentru vas 23 buc stative pentru lame (capacitatea 30 lame) 3 buc suport pentru stativ cu lame 3 buc tub pentru conectarea la sistemul de apa 1 buc (~1,5 metri) tub pentru conectarea la sistemul de canalizare 1 (~3 metri) filtru pentru purificare aer cu carbon activat 1 buc Cablul USB pentru conectarea la calculator 1 buc bloc de alimentare 1 buc Calculator pentru programare 1 buc
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Myr

AUTOMATED
SLIDE STAINER

SS-30

Flexible and versatile design for
optimized staining results

Devoted to Histology ■



AUTOMATED SLIDE STAINER

SS-30

FOR ROUTINE AND SPECIAL STAINING PROTOCOLS
IN HISTOLOGY AND CYTOLOGY LABS

Flexible, optimized and user-friendly

MULTISTAINING CAPABILITY

More staining flexibility allowing simultaneous and automatic staining of various 30-slide racks with identical or different staining protocols. Continuous loading to maximize efficiency and productivity in labs.

Up to 5 slide racks can be run simultaneously depending on protocols, load frequency and instrument configuration, enabling up to 150 slides to be stained simultaneously. The instrument calculates the most efficient route for each rack/protocol.

FLEXIBLE STAINING

The agitation system can be individually programmed for each station: it is available in 4 different preset dip modes with 3 configurable parameters: number, speed and amplitude of the dips. A special programming for the washing stations is also available.

Several adaptors are available for the most popular coverslipper racks in the market.

COMPACT FOOTPRINT

Ideal for labs with shallow benches to optimize valuable space. Smartly designed to occupy less space without compromising slide staining productivity.

REAL-TIME DISPLAY

SS-30 displays in real time the status of each staining protocol. It can store up to 20 programmed protocols in memory with 50 steps each maximum as well as up to 52 reagents (32 pre-programmed).

The drain function minimizes the reagent carryover and helps reducing reagent consumption to optimize costs.

DEDICATED SOFTWARE

SS-30 stainer is supplied with a PC dedicated software that offers the option to define protocols and modify the list of saved reagents from the convenience of a PC.

It has also reporting capabilities through a USB plug to acquire data, displaying real status of the running protocols and managing reports and errors.



USER AND SPECIMEN SAFETY

Lab-friendly integrated filtration system equipped with a charcoal filter and individual lids for the reagent stations to avoid evaporation of reagents. Optional adaptor for the laboratory general extraction system.

Back-up battery with 2h autonomy to finish the staining protocols in case of power failure. External 12V power supply.

The transparent hood is equipped with two hinged doors (loading/unloading stations) to reduce the exposure to reagents.

Water overflowing in the stainer is secured thanks to an innovative two water level sensors system.

The Reagent Management System (RMS) keeps track of reagent usage and ensures an optimal staining quality (available only in version SS-30H).



SPECIFICATIONS

Specimens	Histological and/or cytological
Staining capacity	Up to 5 racks simultaneously
Slide rack capacity	30 slides
Number of programs	Up to 20 programs with max. 50 steps each
Immersion time	From 1 s to 59 m 59 s per step
Agitation system	Independently programmable for each station
Selectable parameters	Number, speed and amplitude of dips
Drain function	Minimizes reagent carryover
Total stations	20 vessels with individual lid
Reagent stations	Up to 19
Reagent stations capacity	300 ml
Water stations	Up to 3
Load stations	Up to 2
Unloading stations	Up to 3 (2 if drying station is available)
Drying station	1 (available only in SS-30H)
Drying station temperature	30 to 70° C
Fume extraction system	Charcoal filter
Power requirements	
SS-30	100-240VAC 50-60Hz 0,17A
SS-30H	100-240VAC 50-60Hz 0,76A
Backup battery capacity	2 h
Dimensions (l x w x h)	1.200 x 440 x 368 mm
Weight	55 kg

ORDERING INFORMATION

SS-30	Automated slide stainer	100-240v / 50-60 Hz
SS-30H	Automated slide stainer with drying station	100-240v / 50-60 Hz

OPTIONAL ACCESSORIES

SS30-059	Adapter for THERMO-MICROM rack (30 slides)
SS30-200	Load station LEICA racks
SS30-200B	Lid for load station LEICA rack
SS30-201	Adapter for LEICA plastic rack (30 slides)
SS30-201B	Adapter for LEICA metal rack (30 slides)
SS30-202	Adapter for SAKURA rack (20 slides)
SS30-204	Adapter for MEDITE rack (20 slides)
SS30-205	Adapter for MEDITE rack (30 slides)
SS30-210	Megaslides adapter

Especialidades Médicas Myr S.L

ISO 9001 / 13485 certified company

Lleida, 17-23

43712 Llorenç del Penedès - Spain

Tel. +34 977 66 8020

Fax. +34 977 66 8030

esp.medicas@myr.com.es

www.myr.com.es

Local Distributor. Contact information.

EC Declaration of Conformity / *Declaración de Conformidad CE*

Manufacturer / *Fabricante*

Especialidades Médicas MYR S.L.

C/ Lleida 17-23 - 43712 Llorenç del Penedès - Tarragona - Spain

We declare under our own responsibility that the products / *Declaramos bajo nuestra responsabilidad que los productos*

Slide Stainers SS-30 and SS-30H / *Teñidores de Tejidos SS-30 y SS-30H*

meet all the requirements of the following European Directives that are applicable
cumplen todos los requisitos aplicables de las siguientes Directivas Europeas

98/79/EC:	In Vitro Diagnostic Devices Directive Classification: General IVD (Other), neither listed in Annex II of IVD 98/79/EC nor IVDs for self-testing purpose
2014/30/EU:	Electromagnetic Compatibility (EMC) Directive
2014/35/EU:	Low Voltage Directive
2011/65/EU:	Restriction of the Use of Hazardous Substances in electrical and electronic equipments (RoHS) Directive

The products are designed and manufactured according to the relevant parts of the following International Standards
Los productos están diseñados y fabricados de acuerdo con las partes relevantes de los siguientes estándares

IEC 61010-1: 2010	IEC 61010-2-010: 2014
IEC 61010-2-101: 2002	EN 61326-1: 2013
EN 61326-2-6: 2013	EN ISO 14971: 2012

In addition, the following standards are applied:

Además, la empresa trabaja de acuerdo con las siguientes normas:

ISO 9001-2015:	Quality Management system
ISO 13485-2016:	Medical Devices - Quality Management system

Llorenç del Penedès, 19/06/2019

Francisco Ruiz Robles
Managing Director / *Director General*

Certificate

AENOR has issued an IQNET recognized certificate that the organization:

ESPECIALIDADES MEDICAS MYR, S.L.

**CL LLEIDA, 17-23.
43712 - LLORENÇ DEL PENEDES
(TARRAGONA)**

has implemented and maintains a/an
Quality Management System

for the following scope:

Design, development and production of machines for pre-treatment before analysis and diagnosis of all types of tissues: human, animal and vegetable.

which fulfils the requirements of the following standard

ISO 9001:2015

First issued on: 2014-01-24 Last issued: 2023-03-28 Validity date: 2026-03-13

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: **ES-0031/2014**



Alex Stoichitoiu
President of IQNET



Rafael GARCÍA MEIRO
CEO

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Certificate

AENOR has issued an IQNET recognized certificate that the organization:

ESPECIALIDADES MEDICAS MYR, S.L.

**CL LLEIDA, 17-23.
43712 - LLORENÇ DEL PENEDES
(TARRAGONA)**

has implemented and maintains a/an
Medical devices – Quality Management Systems

for the following scope:

Design, development and production of machines for preparation of all types of human tissues for in vitro diagnostic.

which fulfils the requirements of the following standard

ISO 13485:2016

First issued on: 2014-03-28 Last issued: 2023-03-28 Validity date: 2026-03-28

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: **ES-GS-0002/2014**



Alex Stoichitoiu
President of IQNET



Rafael GARCÍA MEIRO
CEO

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LSQA Uruguay MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland NYCE-SIGE México PCBC Poland Quality Austria
Austria SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TSE Türkiye YUQS Serbia

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