

Lot 11, Microtom semiautomat MYR M-240

Parametri ceruti	Parametri oferiti
Microtom semiautomat cu aplicații multiple. 1. Să dețină următoare gamă de selecție a grosimii de secționare: Reglaj fin al grosimii de sectionare prin intermediul motorului pas cu pas pana la 0.5 – 100 μm. Reglaj grosime taiere 0.5 - 2 μm / pas de 0.5 μm. Reglaj grosime taiere 2 - 10 μm / pas de 1 μm. Reglaj grosime taiere 10 - 20 μm / pas de 2 μm. Reglaj grosime taiere 20 - 30 μm / pas de 5 μm. Reglaj grosime taiere 30 - 100 μm / pas de 10 μm. Reglaj grosimea de fasonare prin intermediul motorului pas cu pas pana la 500 μm. Reglaj grosime fasonare până la 10 μm / pas de 5 μm. Reglaj grosime fasonare până la 100 μm / pas de 10 μm. Reglaj grosime fasonare până la 200 μm / pas de 20 μm. Reglaj grosime fasonare până la 500 μm / pas de 50 μm. 2. Plaja de alimentare orizontala de maxim 28 mm. 3. Cursa verticala specimen de maxim 72 mm. 4. Retragera specimenului la cursa de intoarcere să poată fi oprită. 5. Să dețină sistem electro-mecanic pentru setarea precisă a grosimii de secțiune și fasonare, mișcare înainte și înapoi a specimenului prin intermediul motorului pas cu pas 6. Să dețină sistem de control variabil al vitezei de avansare – 300, 800, 1800 $\mu\text{m/s}$. 7. Să aibă funcție de memorare pentru revenirea rapidă și găsirea poziției anterioare. 8. Roata pivotanta integrată ce se poate bloca în orice poziție. 9. Să aibă orientare fină pe 2 X/Y +/- 8°. 10. Să dețină adaptabilitate pentru fiecare clema de specimen. 11. Să aibă potrivire rapidă a suporturilor de cuțit cu ghidaj de precizie. 12. Schimbare rapidă a clemelor pentru specimen. 13. Tava detașabilă foarte mare cu suport ergonomic pentru mână. Capacitate ≥ 1.400 ml. 14. Tava să fie amplasată și sub suportul de cuțit pentru curățare ușoară. 15. Să fie livrat standard cu: husa antipraf, 1 cutie (50buc) lame profil îngust, 1 sticlură cu ulei de ungere, 1 perie cu magnet. 16. Dimensiuni maxime al spațiului disponibil: (L/l/h) 630x500x350 mm 17. Greutate: minim 30 kg. Cerințe de certificare: Anul producerii minim 2022. Termen de garanție nu mai mic de 24 luni din momentul	Microtom semiautomat cu aplicații multiple. 1. Să dețină următoare gamă de selecție a grosimii de secționare: Reglaj fin(superior celui solicitat) al grosimii de sectionare prin intermediul motorului pas cu pas pana la 0.5 – 100 μm. Reglaj grosime taiere 0.5 – 2 μm / pas de 0.5 μm. Reglaj grosime taiere 2 – 5 μm / pas de 0.5 μm. Reglaj grosime taiere 5 - 20 μm / pas de 1 μm. Reglaj grosime taiere 10 - 20 μm / pas de 1 μm. Reglaj grosime taiere 20 - 60 μm / pas de 5 μm. Reglaj grosime taiere 20 – 30 μm / pas de 5 μm. Reglaj grosime taiere 30 – 60 μm / pas de 5 μm Reglaj grosime taiere 60 - 100 μm / pas de 10 μm. Reglaj grosimea de fasonare prin intermediul motorului pas cu pas pana la 600 μm. Reglaj grosime fasonare până la 10 μm / pas de 1 μm. Reglaj grosime fasonare 10 - 20 μm / pas de 2 μm Reglaj grosime fasonare 20 -50 μm / pas de 5 μm. Reglaj grosime fasonare 50 - 100 μm / pas de 10 μm. Reglaj grosime fasonare 100-600 μm / pas de 50 μm. 2. Plaja de alimentare orizontala de maxim 28 mm. 3. Cursa verticala specimen de maxim 72 mm. 4. Retragera specimenului la cursa de intoarcere să poată fi oprită. 5. Să dețină sistem electro-mecanic pentru setarea precisă a grosimii de secțiune și fasonare, mișcare înainte și înapoi a specimenului prin intermediul motorului pas cu pas 6. Să dețină sistem de control variabil al vitezei de avansare – 300, 800, 1800 $\mu\text{m/s}$. 7. Are funcție de memorare pentru revenirea rapidă și găsirea poziției anterioare. 8. Roata pivotanta integrată ce se poate bloca în orice poziție. 9. Are orientare fină pe 2 X/Y +/- 8°. 10. Deține adaptabilitate pentru fiecare clema de specimen. 11. Are potrivire rapidă a suporturilor de cuțit cu ghidaj de precizie. 12. Schimbare rapidă a clemelor pentru specimen. 13. Tava detașabilă foarte mare cu suport ergonomic pentru mână. Capacitate 1.700 ml. 14. Tava să fie amplasată și sub suportul de cuțit pentru curățare ușoară. 15. Va fi livrat standard cu: husa antipraf, 1 cutie (50buc) lame profil îngust, 1 sticlură cu ulei de ungere, 1 perie cu magnet. 16. Dimensiuni dispozitivului oferat : (L/l/h) 540x465x298 mm 17. Greutate: 33.9 kg. Cerințe de certificare: Anul producerii 2022 -2023. Termen de garanție 24 luni din momentul instalării.

instalării. Instalare, darea în exploatare, instruirea de către participantul câștigător - obligatoriu Training pentru utilizatori la instalare și la solicitare - obligatoriu. Servicii de mentenanță preventivă pe perioada de garanție. În cazul defecțiunii dispozitivului aflat în garanție, termenul reparației va fi adăugat la perioada de garanție totală. Pe perioada garanției timpul de intervenție în caz de defecțiune minim 24h. Documente confirmative: La livrarea dispozitivului medical obligatoriu: Manual de utilizator în limba română și engleză Manual de service și manual de utilizare în conformitate cu LEGEA Nr. 102 cu privire la dispozitivele medicale din 09.06.2017, capitolul 4 Articolul 14. P. 3. Ghid rapid în limba română laminat atașat de dispozitiv.	Instalare, darea în exploatare, instruirea de către participantul câștigător - obligatoriu Training pentru utilizatori la instalare și la solicitare - obligatoriu. Servicii de mentenanță preventivă pe perioada de garanție. În cazul defecțiunii dispozitivului aflat în garanție, termenul reparației va fi adăugat la perioada de garanție totală. Pe perioada garanției timpul de intervenție în caz de defecțiune minim 24h. Documente confirmative: La livrarea dispozitivului medical obligatoriu: Manual de utilizator în limba română și engleză Manual de service și manual de utilizare în conformitate cu LEGEA Nr. 102 cu privire la dispozitivele medicale din 09.06.2017, capitolul 4 Articolul 14. P. 3. Ghid rapid în limba română laminat atașat de dispozitiv. Inregistrat sub cod - DM000284044 Rg04-000290 23.11.2020
---	--

SPECIFICATIONS

Section thickness		
Total range in (μ)		
Thickness settings in (μ):		
0,5- 100		
0,5- 5 in increments of 0,5		
5- 20 in increments of 1		
20- 60 in increments of 5		
60- 100 in increments of 10		
Trimming		
Total range in (μ)		
Thickness settings in (μ)		
1- 600		
1- 10 in increments of 1		
10- 20 in increments of 2		
20- 50 in increments of 5		
50- 100 in increments of 10		
100- 600 in increments of 50		
Specimen feed (mm)		
28 ± 1mm		
Vertical stroke (mm)		
72 ± 1mm for sectioning of mega-cassettes		
User interface		
7” capacitive touchscreen display		
Operating modes		
Rotational or Rocking (selectable)		
Specimen retraction		
Total range (μ)		
Selectable between 5 – 250		
Default value: 40μ		
Optional function that can be deactivated		
Motorized coarse feed (μm/sec)		
300 (slow speed forward)		
800 (fast speed forward)		
1800 (superfast speed backwards)		
Additional function for forward/backward feed in step mode		
Blade Holder Type		
Two in One for high and low profile blades		
Max. specimen size (mm)		
68x48x15 (w x h x d)		
Super Cassete Clamp 68x48x15		
Specimen orientation		
± 8º horizontal and vertical		
Rotational capability: 360º		
Indication of 0-position by means of click (x and y)		
Power requirements		
Consumption (VA)		
100-240 VAC / 50-60Hz		
40		
Dimensions		
Width (mm)		
465		
Depth with tray (mm)		
540		
Height (mm)		
298		
Weight (kg)		
33,9		



ORDERING INFORMATION

- M240-01: Microtome with knife carrier MR (for High and Low profile blades, lateral adjustment), quick release clamp.
- M240-02: Microtome with knife carrier MR, (for High and Low profile blades, lateral adjustment), standard specimen clamp.
- M240-03: Microtome with knife carrier ME (for High and Low profile blades, no lateral adjustment), quick release clamp.
- M240-04: Microtome with knife carrier ME, (for High and Low profile blades, no lateral adjustment), standard specimen clamp.

OPTIONAL ACCESSORIES

- M240-1000: Fixed specimen head
- M240-1100: Orienting specimen head
- M240-2100: Standard specimen clamp 55x50 mm
- M240-2200: Universal specimen clamp (Quick Release Clamp)
- M240-4002C: Knife carrier for disposable blades, model MR
- M240-4101: Knife carrier for disposable blades, model ME
- M240-4201: Knife carrier for standard knives, model MN
- M240-4301: Knife carrier for standard knives, model MC

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.

Myr

SEMI-AUTOMATED
ROTARY MICROTOME

M-240

The Cut at its Finest

Devoted to Histology



SEMI-AUTOMATED ROTARY MICROTOME

M-240

The M-240 microtome from **Myr** uses state-of-the-art technology and embodies the company's commitment to quality and excellence in the microtomy.

It provides the operational convenience and the stability required for outstanding sectioning in routine, research and industry applications.



USER FRIENDLY INTERFACE

Full color TFT 7" display with PCAD (projected capacitive) touchscreen. Size and tilt of the display allow an easy and effortless selection of the parameters and increase user safety.

All required parameters and functions are available on the main screen: section mode, section and trimming thickness, section counter, section sum, remaining travel, retraction and coarse feed, memory function.

MEMORY FUNCTION

MEM key for higher productivity, to retrieve previous cuttings settings when working with uniform paraffin blocks. By simply pressing a key, the specimen moves into the stored MEM position.

Additional safety feature available to change the specimen safely by adding an extra "safety distance" to the position stored in memory.

SPECIMEN ORIENTING HEAD

Thanks to a blocking mechanism the easy to operate change system allows to work with different specimen clamps.

Indication of 0-position in x and y direction by palpable "click" for the precise alignment of the specimen.

QUICK RELEASE SPECIMEN CLAMP

Cutting-edge design of the specimen clamp that prevents building up of dirt and facilitates operations with the microtome.

The retraction function, that can be deactivated, helps extending the blade's shelf life.



SPACIOUS WASTE TRAY

Special antistatic coating prevents paraffin adhesion and minimizes the cleaning time.

Ergonomic design with surface for arm rest.

Wide area on the top of the microtome for the storage of tools.

MOTORIZED SPECIMEN FEED

Precise, motorized coarse feed in two modes, continuous and step.

In continuous mode, speed is selectable between slow and fast to ensure a controlled specimen approach.

KNIFE CARRIER SYSTEM

Blade holder slides sideways in both directions allowing the use of the entire cutting edge. It accepts low- and high-profile blades.

All blade holders are equipped with finger guard for safety reasons.

SMOOTH AND ERGONOMIC HANDWHEEL

The handwheel is perfectly balanced thanks to an innovating counterweight system and can be locked in any angular position.

Cutting can be done by turning the handwheel clockwise or counterclockwise.

Smooth-working handwheel to minimize user fatigue.



SPECIFICATIONS

Section thickness		
Total range in (μ)		
Thickness settings in (μ):		
0,5- 5	in increments of 0,5	
5- 20	in increments of 1	
20- 60	in increments of 5	
60- 100	in increments of 10	
Trimming		
Total range in (μ)		
Thickness settings in (μ)		
1- 10	in increments of 1	
10- 20	in increments of 2	
20- 50	in increments of 5	
50- 100	in increments of 10	
100- 600	in increments of 50	
Specimen feed (mm)		
Vertical stroke (mm)		
User interface		
Operating modes		
Specimen retraction		
Total range (μ)		
Motorized coarse feed		
(μm/sec)		
Blade Holder Type		
Max. specimen size (mm)		
Specimen orientation		
Power requirements		
Consumption (VA)		
Dimensions		
Width (mm)		
Depth with tray (mm)		
Height (mm)		
Weight (kg)		



ORDERING INFORMATION

- M240-01: Microtome with knife carrier MR (for High and Low profile blades, lateral adjustment), quick release clamp.
- M240-02: Microtome with knife carrier MR, (for High and Low profile blades, lateral adjustment), standard specimen clamp.
- M240-03: Microtome with knife carrier ME (for High and Low profile blades, no lateral adjustment), quick release clamp.
- M240-04: Microtome with knife carrier ME, (for High and Low profile blades, no lateral adjustment), standard specimen clamp.

OPTIONAL ACCESSORIES

- M240-1000: Fixed specimen head
- M240-1100: Orienting specimen head
- M240-2100: Standard specimen clamp 55x50 mm
- M240-2200: Universal specimen clamp (Quick Release Clamp)
- M240-4002C: Knife carrier for disposable blades, model MR
- M240-4101: Knife carrier for disposable blades, model ME
- M240-4201: Knife carrier for standard knives, model MN
- M240-4301: Knife carrier for standard knives, model MC

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.

Myr

SEMI-AUTOMATED
ROTARY MICROTOME

M-240

The Cut at its Finest

Devoted to Histology



SEMI-AUTOMATED ROTARY MICROTOME

M-240

The M-240 microtome from **Myr** uses state-of-the-art technology and embodies the company's commitment to quality and excellence in the microtomy.

It provides the operational convenience and the stability required for outstanding sectioning in routine, research and industry applications.



USER FRIENDLY INTERFACE

Full color TFT 7" display with PCAD (projected capacitive) touchscreen. Size and tilt of the display allow an easy and effortless selection of the parameters and increase user safety.

All required parameters and functions are available on the main screen: section mode, section and trimming thickness, section counter, section sum, remaining travel, retraction and coarse feed, memory function.

MEMORY FUNCTION

MEM key for higher productivity, to retrieve previous cuttings settings when working with uniform paraffin blocks. By simply pressing a key, the specimen moves into the stored MEM position.

Additional safety feature available to change the specimen safely by adding an extra "safety distance" to the position stored in memory.

SPECIMEN ORIENTING HEAD

Thanks to a blocking mechanism the easy to operate change system allows to work with different specimen clamps.

Indication of 0-position in x and y direction by palpable "click" for the precise alignment of the specimen.

QUICK RELEASE SPECIMEN CLAMP

Cutting-edge design of the specimen clamp that prevents building up of dirt and facilitates operations with the microtome.

The retraction function, that can be deactivated, helps extending the blade's shelf life.



SPACIOUS WASTE TRAY

Special antistatic coating prevents paraffin adhesion and minimizes the cleaning time.

Ergonomic design with surface for arm rest.

Wide area on the top of the microtome for the storage of tools.

MOTORIZED SPECIMEN FEED

Precise, motorized coarse feed in two modes, continuous and step.

In continuous mode, speed is selectable between slow and fast to ensure a controlled specimen approach.

KNIFE CARRIER SYSTEM

Blade holder slides sideways in both directions allowing the use of the entire cutting edge. It accepts low- and high-profile blades.

All blade holders are equipped with finger guard for safety reasons.

SMOOTH AND ERGONOMIC HANDWHEEL

The handwheel is perfectly balanced thanks to an innovating counterweight system and can be locked in any angular position.

Cutting can be done by turning the handwheel clockwise or counterclockwise.

Smooth-working handwheel to minimize user fatigue.



CERTIFICATE

Issued to:
Applicant:
ESPECIALIDADES MÉDICAS MYR, S.L.
C/ Lleida Num. 17-23 Pol. Ind. L'Empalme
43712 Llorenc Del Penedes, Spain

Licensee:
ESPECIALIDADES MÉDICAS MYR, S.L.
C/ Lleida Num. 17-23 Pol. Ind. L'Empalme
43712 Llorenc Del Penedes, Spain

Product : Microtome
Trade name(s) : MYR
Type(s)/model(s) : M-240 and M-250

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- an evaluation according to the standard(s) CAN/CSA C22.2 No. 61010-1:2012/A1:2018 and UL 61010-1:2012
- an inspection of the factory location according to DEKRA's North American Certification Scheme
- a DEKRA certification agreement with the number 6063705

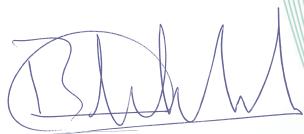
DEKRA hereby grants the right to use the DEKRA certification mark as shown below.

The DEKRA certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA certification agreement.

This certificate is issued on 28 March 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-127714

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
STANDARDS COUNCIL
OF CANADA



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Microtome
Trade name(s)	: MYR
Type(s)/model(s)	: M-240 and M-250
Voltage	: 100-240 VAC
Frequency	: 50/60 Hz

Product data – type M-240

Power consumption	: 40 VA
-------------------	---------

Product data – type M-250

Power Consumption	: 100VA
-------------------	---------

TESTS**Test requirements**

CAN/CSA C22.2 No. 61010-1:2012/A1:2018
UL 61010-1:2012

Test result

The test results are laid down in DEKRA test file 226231400.

Additional information

In addition to the standards mentioned above, the products were investigated and found in compliance with the following standards:

UL 61010-1, Edition 3, revision date 2019-07-19
CAN/CSA-C22.2 NO. 61010-1-12/A1:18 (R2022)
UL-61010-2-101, Edition 3, revision date 2019-07-31
CAN/CSA-C22.2 NO. 61010-2-101:19

The list of components is laid down in test report 2262314.52B.

Conclusion

The examination proved that all requirements were met.

Factory location

ESPECIALIDADES MÉDICAS MYR, S.L.
C/ Lleida Num. 17-23 Pol. Ind. L'Empalme
43712 Llorenc Del Penedes, Spain

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 product / *Declaramos bajo nuestra responsabilidad que el producto*

Microtome M-240 / *Microtomo M-240*

meets all the requirements of the following European Directives that are applicable
cumple 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 product is designed and manufactured according to the relevant parts of the following International Standards
El producto está diseñado y fabricado de acuerdo con las partes relevantes de los siguientes estándares

IEC 61010-1: 2010 + A1:2016	IEC 61010-2-101: 2015
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

AENOR
Confia

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

IQNET Members*:

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy CQC China CQM China CQS Czech Republic
Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA FCAV Brazil FONDONORMA Venezuela ICONTEC
Colombia ICS Bosnia and Herzegovina Inspecta Sertifointi Oy Finland INTECO Costa Rica IRAM Argentina JQA Japan KFAQ Korea
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

* The list of IQNET Members is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

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

AENOR
Confia

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

IQNET Members*:

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy CQC China CQM China CQS Czech Republic
Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA FCAV Brazil FONDONORMA Venezuela ICONTEC
Colombia ICS Bosnia and Herzegovina Inspecta Sertifointi Oy Finland INTECO Costa Rica IRAM Argentina JQA Japan KFAQ Korea
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

* The list of IQNET Members is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com