

MERCY, s.r.o.

Hvězdoslavova 1192/55b, 627 00 Brno-Slatina

IČ 46966447

www.merci.cz

DIČ CZ46966447

zapsaná v obchodním rejstříku u Krajského soudu v Brně v oddíle C., vložce 6817, 27.07.1992

Cenová nabídka: 24O1NL00124/1**Číslo zakázky: 24ZA0100443****Číslo poptávky odběratele:**

Vytvořeno: 29.07.2024

Datum tisku: 30.09.2024

Platnost do: 28.11.2024

Fakturační adresa:

**Univerzita Palackého v Olomouci
Přírodovědecká fakulta**

tř. 17. listopadu 1192/12

771 46 Olomouc

IČ: 61989592

DIČ: CZ61989592

Dodací adresa:

**Univerzita Palackého v Olomouci,
Přírodovědecká fakulta,
Katedra Biotechnologií**

Šlechtitelů 27

779 00 Olomouc

tel.:

DIČ: CZ61989592

Vaši nabídku zpracovává:**Odpovědný obchodník:****Kontakt :****Kontakt :**

Děkujeme za vaši poptávku a dovoluujeme si nabídnout následující položky:

Pozice	Název zařízení	Objednací číslo	Název položky	Typ	Rozměr	Množství	MJ	Sazba DPH	Základní cena/MJ	Cena/MJ	Celkem bez DPH
č.ř.											
1	Třepačka Minitron 230V		Přístroj se skládá z: - základní jednotka Minitron - pohon s orbitou 25 mm - ohřevné těleso - konfigurace bez analogového výstupu - víko - chladicí systém			1,000	ks	21	504 870,00	504 870,00	504 870,00
2	Nožky gumové					1,000	ks	21	2 326,00	2 326,00	2 326,00
3	Kabel přívodní 3 m Euro plug (90°)					1,000	ks	21	490,00	490,00	490,00
4	Podložka Sticky Stuff					1,000	ks	21	18 544,00	18 544,00	18 544,00
5	Doprava, instalace a zaškolení					1,000	ks	21	27 900,00	27 900,00	27 900,00

Součet za nezařazené položky**Cena celkem bez DPH:****554 130,00 Kč****Cena celkem s DPH:****670 497,30 Kč****Celkový součet za celou sestavu****Celkem bez DPH:****554 130,00 Kč****DPH:****116 367,30 Kč****Celkem včetně DPH:****670 497,30 Kč****Oblastní kanceláře:** MERCY Ostrava
Kollárova 18
709 00 OSTRAVAMERCY Praha
Průhonická 127
251 01 ČESTLICEMERCY Ústí n./L.
Zolova 8
400 07 ÚSTÍ NAD LABEM

Cenová nabídka:**24O1NL00124/1****Číslo zakázky:****24ZA0100443**

DPH bude účtováno dle platných předpisů v den zdanitelného plnění objednávky.

Na objednávce, která se váže k této cenové nabídce, vždy uveďte číslo nabídky, abychom mohli dodržet nabídnuté podmínky.

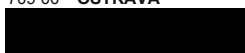
Objednávka se řídí Všeobecnými obchodními podmínkami společnosti MERCI, s.r.o. – viz. www.merci.cz.

Cenová nabídka je platná jako celek.

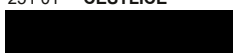
Zůstáváme s pozdravem a těšíme se na budoucí spolupráci



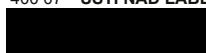
**Oblastní
kanceláře:** MERCI Ostrava
Kollárova 18
709 00 **OSTRAVA**



MERC Praha
Průhonická 127
251 01 **ČESTLICE**



MERC Ústí n./L.
Zolova 8
400 07 **ÚSTÍ NAD LABEM**





Minitron

SMALL SCALE – BIG RESULTS

INFORS **HT**

This is Minitron

An all-round genius in a small space. In terms of capacity, the Minitron is the little sister of the Multitron incubation shaker, but it offers the same variety of application possibilities for microbial, animal, and plant cell cultures.



Space-saving

The practical design and compact dimensions of the Minitron make it ideal for use in even the smallest of laboratories. The Minitron can be operated stacked in two units and as a single device, it even fits on a laboratory bench.

Perfect conditions for cultivation

The Minitron offers homogeneous conditions for reproducible results. Thanks to the ingenious design, the precise CO₂ regulation works with unparalleled efficiency. The meticulous sealing of the housing minimizes CO₂ consumption to a standard comparable to static incubators.

Nothing's impossible

From standard experiments with microorganisms to complex cultivations of animal and plant cells, the Minitron has been designed to perform a comprehensive range of applications. Each Minitron is configured to your exact needs whilst the design ensures for a straightforward upgrade if required.

Seamless monitoring and control

The eve® platform software for bioprocesses can easily communicate with the Minitron via Ethernet. This technology gives you the freedom to monitor the cultures in the incubation shaker and control the device from anywhere via web interface. In addition, you can generate individual reports and document your processes in compliance with GMP.



Our quality mark refers to Switzerland as a center for research, development, and manufacturing. Experts guarantee the tested top quality of our shakers and bioreactors with regard to materials, processing, safety, and reliability.

Sample configurations



Microorganisms

Maximum oxygenation even with maximum load stacked in two units

- Shaking throw of either 25 or 50 mm for optimal mixing, achieving comparable results in a range of vessels from microtiter plates to 5 L shake flasks
- High shaking speeds of up to 400 min⁻¹ for the best possible oxygenation

Cell cultures

Optimal conditions for mammalian and insect cells

- Active CO₂ regulation
- Hygienic direct steam humidification limits evaporation effects
- Meticulously sealed housing ensures low CO₂ consumption

Phototrophic organisms

Sunlight in the shaker with a high degree of uniformity

- Energy-saving, warm white LED lighting
- Light intensity up to 200 $\mu\text{mol m}^{-2} \text{s}^{-1}$
- Even light distribution throughout the tray
- Simulation of day-night cycles or targeted induction – easy to perform with eve®

Features

The Minitron can be used for cultivating microorganisms as well as cell cultures and is appropriately equipped for every area of application.

Technical refinements make everyday laboratory work easier

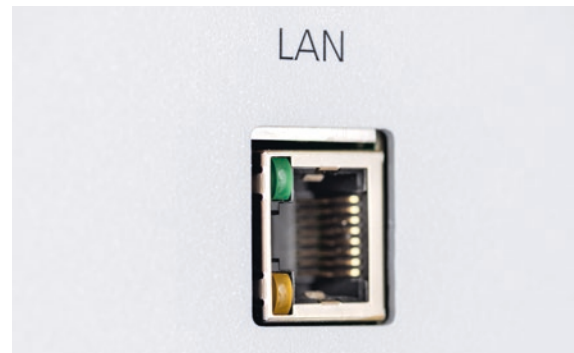
Drive unit

- Quiet, even and reliable for every load
- Dynamic equilibration ensures no manual adjustment is necessary
- Handling errors eliminated
- Easy to clean



Connections and interfaces

- Reliable Ethernet interface for connecting eve®
- Analogue outputs as an option connect to existing monitoring and alarm systems
- Pass-through for sensors and cables



Hygiene

- Easy-to-clean interior with rounded corners
- Base tray to retain liquid in the event of broken flasks
- Optional hygienic direct steam humidification



Temperature regulation

- Precise regulation ensures homogeneous conditions for all batches
- Connection to existing laboratory cooling system possible
- Optionally integrated cooling for best use of space
- Excellent insulation ensures low energy consumption



Features



Technical data

	One unit	Two units
Dimensions (W x D x H)	800 x 623 x 700 mm	800 x 652 x 1490 mm
Maximum load	12 kg	24 kg
Volume	9 L	18 L
Maximum working height	173 mm	960 m
Number of batches	105	210
Shaking throw		25 mm / 50 mm
Rotation speed		25 – 400 min ⁻¹
Temperature range	5 °C above ambient temperature to 65 °C; 16 °C below AT to 65 °C with cooling; minimum temperature 4 °C	
Standard parameters	Temperature, rotation speed, timer	
Optional parameters	Cooling, CO ₂ regulation, humidification, light intensity	
Interface	Ethernet	
Relative humidity (RH)	Up to 85% non-condensing	



Contact us for a personal consultation.

www.infors-ht.com/en/minitron

Accessories

For automation, safety and flexibility, as well as requirements in the GMP environment.

eve®: The platform software for bioprocesses

- Monitoring of process parameters as well as door movements from any location via an intuitive web interface
- Set alarm parameters easily
- Customizable batch reports
- Configuration of automated batch strategies
- Safety settings for data access
- Validation according to FDA 21 CFR part 11 and EU Annex 11 possible

LIS (Liquid Injection System)

- Automatic feeding of liquids in shake flasks with programmable control unit
- Suitable for various media, for example, sugar solutions, alcohols, or suspensions
- Predefined or freely configurable feed profiles

CGQ (Cell Growth Quantifier)

- Non-invasive online measurement of biomass using sensor and associated software
- Screening according to the optimal culture conditions in up to 16 shake flasks simultaneously

Qualification and process validation

- Design qualification
- Installation qualification
- Function qualification
- Factory Acceptance Test (FAT)
- Site Acceptance Test (SAT)
- Software validation for eve®

Trays

- Corrosion-resistant, anodized aluminum
- Can be loaded with a variety of retaining brackets, test tube holders, and adhesive matting
- Can be sterilized in the autoclave
- Special design for 96-well plates

Sticky Stuff adhesive matting

- Compatible with all vessels that have a flat base
- Reliable fixation even at high shaking speeds and temperatures
- Long lifespan
- Easy to clean and regenerate with water

Clamps

- Stainless steel retaining brackets can be screwed on to universal trays
- For Erlenmeyer and Fernbach flasks
- Special holders upon request

Test tube holders

- Foam rubber perforated inserts ensure a reliable hold and prevent rattling noises
- Test tubes can be incubated in a vertical position or at an adjustable angle
- Compatible with universal and Sticky Stuff trays

We always find the right solution for you

Every bioprocess is different – and sometimes very special. To help make your project a success, we offer custom models for nearly all devices. We review every customer request in a feasibility study. Your INFORS HT representative would be happy to provide you with support for your project.