















ECO-FRIENDLY CHOICE (EFC) RACK RANGE

OVERVIEW & SPECIFICATIONS

EFC RACK

	 Compatible with tubes from 0.50ml to 1.40ml
	 12 rows of 8 tubes (96 tubes)
	 99% renewed Polypropylene
	 Length: 127.8mm (5.03 inches), width: 85.5mm (3.37 inches)
	 Resistant to Chemical solvents
	 Vapor phase LN2 to +100°C

EFC REFILL RACK

	 Compatible with 1.40ml tubes
	 12 rows of 8 tubes (96 tubes)
	 99% renewed Polypropylene (refill system) & Polypropylene (base rack)
	 Length: 127.8mm (5.03 inches), width: 85.5mm (3.37 inches)
	 Resistant to Chemical solvents
	 -80°C to +100°C

EFC RACK



EFC 96-1 RM
FOR 0.50ML TUBES



EFC 96-2 RM
FOR 0.75ML TUBES



EFC 96-3 RM WITH LOW COVER
FOR 1.10ML TUBES



EFC 96-3 RM WITH HIGH COVER
FOR 1.40ML TUBES

EFC REFILL



EFC REFILL 96-4
FOR 1.40ML TUBES


99% made of renewed material


Easier to recycle


Unique in the market


Sustainable



Micronic America

North, Central and South America
Tel: +1 484 480 3372

Micronic Asia

Asia and Pacific
Tel: +65 85 028 878

Micronic Europe

Africa, Middle East, Europe
Tel: +31 (0)320 277070

E-mail: sales@micronic.com
www.micronic.com



© 2024 Micronic. All rights reserved. Specifications are subject to change. [PD815601]



ECO-FRIENDLY CHOICE (EFC) RACK RANGE



ECO-FRIENDLY CHOICE (EFC) RACK RANGE

Our commitment to sustainable design drives us to continuously innovate and improve our products. With this in mind, we present the **eco-friendly EFC Rack Range** for sample storage and processing, comprising the **EFC Rack RM** and the **EFC Refill Rack**. The EFC Rack RM is manufactured from 99% in-house renewed materials and includes an easy-to-recycle polypropylene cover, promoting both sustainability and recyclability. The EFC Refill Rack consists of a reusable base rack and cover, alongside a refill system made from 99% in-house renewed materials, setting a new standard for environmentally conscious sample processing solutions.

The EFC Rack RM and refill system are uniquely produced using scrap material sourced from Micronic's own production facility in the Netherlands. The products undergo stringent quality control measures to ensure no compromise in quality or integrity during the renewal process, guaranteeing high-quality, renewed materials.

The 96-well format EFC Racks RM are available for four different tube sizes: 0.50ml, 0.75ml, 1.10ml, and 1.40 ml. With a temperature range spanning from vapor phase LN2 up to +100°C, these racks accommodate various laboratory needs. The Micronic EFC Refill Rack can withstand a wide temperature range from -80°C to +100°C, ensuring reliable operation in several conditions. The Refill Rack is available in a 96-well format for 1.40ml tubes and is compatible with both internally and externally threaded tubes, using screw or push caps.

SUSTAINABILITY IMPACT METRICS FOR EFC REFILL RACK

The chart below presents a comparison of the eco-costs and carbon footprint metrics for the Micronic EFC Refill Rack versus a regular storage rack. Eco-costs, or ecological costs, represent the environmental impact of a product throughout its entire life cycle, from production to disposal. The Micronic EFC Refill Rack offers significant environmental and cost advantages. After 10 uses, the product results in a **61% savings on eco-costs** and reduces the **carbon footprint by 69%**. These figures demonstrate that the EFC Refill Rack is a more sustainable solution for laboratories seeking to minimize their environmental impact.

The Micronic EFC Refill Rack is not only more sustainable but also **more cost-effective** in general than traditional racks. Using 400 traditional racks compared to 40 EFC Refill Racks with 360 refills can lead to **savings of up to 47%**. Make your laboratory durable and pay less with Micronic EFC Refill Racks!

AFTER 10 TIMES	ECO-COSTS	CARBON FOOTPRINT
Savings from using an EFC Refill Rack vs. a Regular Rack	61%	69%

* The sustainability impact metrics (eco-costs and CO2 footprint) are calculated based on methodology which can be referenced at: <https://www.ecocostsvalue.com/csrd/csrd-calculation-examples/>. The information provided is intended for general informational purposes only and while every effort is made to ensure its accuracy and reliability, no rights can be derived from it.

OVERVIEW EFC RACK RM

Clean room class 7 production, Rnase/ Dnase and pyrogen free

Automation friendly

1D barcode and human readable code on the tube side wall for visual identification or verification



Cover made of Polypropylene (PP) which is easier to recycle

Unique solution

99% Refill made of 99% renewed material

FEATURES & BENEFITS EFC RACK RM



- Rack made of 99% in-house renewed material
- Cover is manufactured from Polypropylene which is easier to recycle
- Dimensions based on the Society for Laboratory Automation and Screening (ANSI / SLAS) standards for storage racks
- Extremely strong design which minimizes deformation due to temperature changes
- Standard available with laser etched 1D barcode on rack side
- Unique laser etched Alphanumeric coding on top
- Rack orientation marks on bottom and side
- Secure and safe locking system
- Open rack bottom
- Compatible with the Micronic Rack Readers
- Class 7 clean room production
- RNase/DNase and Pyrogen free

OVERVIEW EFC REFILL RACK

Clean room class 7 production, Rnase/ Dnase and pyrogen free

Certified according to the ACT label, with an Environmental Impact Factor of only 23.9

1D barcode and human readable code on the tube side wall for visual identification or verification



Cover and Base Rack are reusable up to 10 times and easy to recycle (made from Polypropylene)

99% Refill made of 99% renewed material

First-of-its-kind

FEATURES & BENEFITS EFC REFILL RACK



- Refill made of 99% in-house renewed material
- Base Rack and Cover are manufactured from Polypropylene: ideal for reuse and easier to recycle
- Dimensions based on the Society for Laboratory Automation and Screening (ANSI / SLAS) standards for storage racks
- Standard available with laser etched 1D barcode on rack side
- Rack orientation marks on bottom and side
- Secure and safe locking system
- Open rack bottom
- Compatible with the Micronic Rack Readers
- Class 7 clean room production
- RNase/DNase and Pyrogen free