



# Cooling Racks



## Cooling system FreezeBox

ROTH SELECTION.

Simple system for cooling samples or for rapid freezing, defrosting and heating. Cooling box, cooling block or cryoblock and cooling module are the perfect combination.

### Directions for use

Pre-cool the cooling block or cryoblock and cooling module at -20/-80 °C and keep samples cool in the cooling module for several hours on the laboratory bench. Alternatively, the cooling box can be filled with approx. 200 g of dry ice. The cooling module itself does not require any pre-cooling in this case.

Do not keep the cooling box in the freezer.

### Standard

Pre-cool the cooling block for at least four hours at -20 °C or at least two hours at -80 °C. Duration of use: four hours (open lid) or six hours (closed lid).

Operating temperature approx. +0.5 to +4 °C.

**Delivery incl.** cooling box, cooling block and cooling module.

Suitable for	No. of slots	Ø Hole (mm)	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.
1.5 ml reaction vials	48	11	170	152	123	<b>1L09.1</b>	1 unit(s)
2 ml cryogenic vials	30	12.6	170	152	123	<b>1L08.1</b>	1 unit(s)
5 ml cryogenic vials	30	13.5	170	152	123	<b>1L0A.1</b>	1 unit(s)
0.2 ml PCR vessels	96	0.7	170	152	123	<b>1L0C.1</b>	1 unit(s)

### Cryogenic

Pre-cool the cryoblock for at least six hours at -20 °C or at least three hours at -80 °C. Duration of use: three hours (open lid) or five hours (closed lid).

Operating temperature approx. -18 to +4 °C.

**Delivery incl.** cooling box, cryoblock and cooling module.

Suitable for	No. of slots	Ø Hole (mm)	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.
1.5 ml reaction vials	48	11	170	152	123	<b>1L05.1</b>	1 unit(s)
2 ml cryogenic vials	30	12.6	170	152	123	<b>1L04.1</b>	1 unit(s)
5 ml cryogenic vials	30	13.5	170	152	123	<b>1L06.1</b>	1 unit(s)
0.2 ml PCR vessels	96	0.7	170	152	123	<b>1L07.1</b>	1 unit(s)

## Cryo-freezing container Mr. Frosty

Nalgene. Material: PC, lid and tube holder made of HDPE. With foam rubber insert.

Easy to use: only 100% isopropyl alcohol and a freezer are required. For reproducible, repeated cooling of samples at approx. -1 °C/min.

Optimum cellular yield after storage at low temperatures.

The tube holder prevents direct contact between the tubes and the alcohol; any marking on the tubes remains readable. The tube holder can be used as a floating stand for thawing samples in the water bath.



Suitable for	No. of slots	Ø ext. (mm)	Outer height (mm)	Art. No.	Pack Qty.
1-2 ml cryogenic vials	<b>18</b>	120	86	<b>AC96.1</b>	1 unit(s)