

# Isotherm Quick Freeze + Isotherm Mini Cooler



## Isotherm Quick Freeze -70°C

For 12 vials from 0.5 to 2.0 ml. With alphanumeric ID code on the transparent lid and the lower section.

For rapid and repeated refrigeration in the molecular biology laboratory.

Can be used repeatedly for up to 45 minutes. Made of resistant polycarbonate filled with non-toxic insulating fluid. No direct contact between the tube and the insulating fluid. With non-slip feet.

Volume	Time taken to attain			
	-20°C (isopropanol)		0°C (water)	
1.5 ml*	with isopropanol	2.0 min.	with water	3.2 min.
0.5 ml*	with isopropanol/adaptor	2.8 min.	with water	4.0 min.

\* Time taken with micro centrifuge tubes (approx.)

Cat. No.	Colour	Cells	Vials (ml)	WxDxH (mm)
LCCQ51140012	white	4x3	0.5 up to 2.0	151x108x125



## Isotherm Mini Cooler 0.5 ml / 2.0 ml

For vials from 0.5 to 2.0 ml. With alphanumeric ID code on the lid and the lower section.

Temperature-conditioning of reagents (enzymes, DNA, RNA, cell suspensions, etc.) on the laboratory bench. Made of resistant polycarbonate filled with non-toxic insulating fluid. No direct contact between the tube and the insulating fluid. With non-slip feet.

Cat. No.	Temp.	Colour	Cells	Lid	Storage time	WxDxH (mm)
LCCM51160012	0°C	red	4x3	without gel	<1°C/3.5 hrs.	151x108x125
LCCM51150012	-20°C	yellow	4x3	without gel	<-15°C/1 hrs.	151x108x125
LCCM51160032	0°C	red	8x4	with gel	<1°C/5 hrs.	243x157x100**
LCCM51160032C	0°C	red	8x4	without gel	<1°C/3.5 hrs.	243x157x100**
LCCM51150020	-20°C	yellow	5x4	without gel	<-15°C/1 hrs.	220x163x113**
LCCM51150032	-20°C	yellow	8x4	with gel	<-15°C/2 hrs.	243x157x100**
LCCM51150032C	-20°C	yellow	8x4	without gel	<-15°C/1 hrs.	243x157x100**

\*\* Height without fastening clip. With fastening clip in place, the height increases by approx. 50 mm.



## Isotherm Mini Cooler 15 ml + Vacutainer<sup>1)</sup>

For 12 centrifuge tubes 5 ml and 15 ml respectively Vacutainer<sup>1)</sup>.

With alphanumeric ID code on the transparent lid and the lower section.

Made of resistant polycarbonate filled with non-toxic insulating fluid. No direct contact between the tube and the insulating fluid. With non-slip feet.

Cat. No.	Temp.	Colour	Cells	Lid	Storage time	WxDxH (mm)
LCCM51161600	0°C	red	4x3	without gel	<1°C/5 hrs.	197x140x190 for tubes Ø16–17 mm (e.g. 15 ml centrifuge tubes)
LCCM51161300	0°C	red	4x3	without gel	<1°C/5 hrs.	197x140x190 for tubes Ø12–13 mm (e.g. Vacutainer <sup>1)</sup> )

<sup>1)</sup> Vacutainer is a registered trademark of Becton Dickinson.

