

Koala 50 Biomedical refrigerated container

Temperature adjustment range: **-25°C to +22°C.**

PRODUCT TYPE

Portable refrigerator, featuring a capacity of 50 litres.

SUITABLE FOR

Operators working in the biomedical industry, analysis laboratories, pharmaceutical manufacturers and distributors.

INTENDED USE

For the transport and storage under controlled temperature conditions of laboratory samples for clinical testing and environmental analysis, vaccines, pharmaceuticals, chemotherapy products, blood and blood products, organs.



ADVANTAGES AND BENEFITS

- Maintains contents (warm or chilled) at a constant temperature, from -25°C to +22°C with external temperatures up to +30°C.
- The heating unit is triggered when external temperature is lower than the one set for the content. This allows to maintain a constant temperature even in case of very low external temperatures.
- The refrigerating unit is triggered when external temperature is higher than the one set for the content. This allows to maintain a constant temperature even in case of very high external temperatures.
- It preserves the chemical and physical characteristics of products during transport.
- It can be transported using conventional vehicles: it allows to simultaneously transport frozen, chilled and ambient temperature products using a single non-insulated vehicle.
- Equipped with a very low-consumption cooling unit.
- Easy and accurate temperature control, thanks to the programmable digital thermostat.
- Double power supply: during transport it can be connected to the vehicle's cigarette lighter socket; after reaching the intended destination, it can be connected to the mains power supply.
- Cooling unit designed to withstand the mechanical stresses resulting from transport.
- Wide, convenient top hinged lid opening.
- Lightweight and easy to handle; it can be loaded on every kind of vehicle, thanks to the small dimensions.
- One-piece moulding: perfectly tight, shockproof and without any sharp edges, joints or welds.
- The unit's design allows accurate cleaning and sanitising (EC Reg. 852/2004 852/2004 – HACCP-).
- It allows to properly operate in HACCP environment (EC Reg. 852/2004).
- Environmental impact decidedly smaller than that of less durable containers.
- Fully recyclable at the end of the operating life.

TECHNICAL CHARACTERISTICS

- Manufactured using the rotational moulding technology, allowing production of very sturdy objects without sharp edges, joints or welds, whilst assuring highly efficient temperature retention.
- Container insulated with CFC- and HCFC-free polyurethane foam.
- Container (isothermal box) guaranteed for use at temperatures ranging between -30° and $+100^{\circ}\text{C}$.
- Cooling unit performances guaranteed at operating ambient temperatures up to $+30^{\circ}\text{C}$.
- Supply voltage: 12 V d.c. or 100 / 240 V a.c. - 50 / 60 Hz.
- Rated input current:
 - 12 A at 12 V d.c.;
 - 0.63 A to 240 V a.c..
- Equipped with two non-interchangeable power supply cables, one of which equipped with cigarette lighter plug.
- Protection against excessive vehicle battery voltage drop, thanks to the automatic disconnection of the refrigerating unit power supply, should the battery voltage drop below 11V.
- 35 A protection fuse for 12V d.c.; 4 A protection fuse for 230 V a.c..
- Temperature control and adjustment by means of a programmable digital thermostat.
- Degree of accuracy in temperature control: $\pm 0.5^{\circ}\text{C}$.
- Easily removable lid gasket.
- Protective gasket installed on the evaporator.
- Internal protective evaporator grid made of plastic-coated metal wire.
- Strong, stress-resistant hinges built in to the container.
- Melform catches made in shockproof material.
- Sealed compressor with electronic adjustment and control unit equipped with a protection against current surges.
- Refrigerating gas: R134a

AVAILABILITY

Model	Colour	Code	External dim. (mm)	Internal dim. (mm)	Capacity l	Weight Kg
Koala 50 Biomedical $-25^{\circ}\text{C} / +22^{\circ}\text{C}$	grey blue melange	39AC7042	495x800x500 (h)	335x450x355 (h)	53	27