Nalgene Mr. Frosty Cryo 1°C Freezing Container
Cat. No. 5100-0001
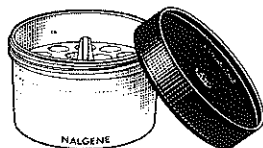
The Nalgene® Mr. Frosty™ Cryo 1°C Freezing Container is an inexpensive, reusable and convenient device for freezing biological samples at the recommended controlled rate of cooling, -1°C/minute (see chart on other side.) Isopropyl alcohol is required to achieve the recommended rate of cooling.

DIRECTIONS:
1. Remove high-density polyethylene vial holder and foam insert from polycarbonate unit. **DO NOT discard foam insert.**
2. Add 100% isopropyl alcohol (250 mL) to fill line. **DO NOT overfill.**
3. Carefully replace foam insert and vial holder.
4. Place vials containing sample into holes in vial holder.
5. Place unit in bottom of -70°C mechanical freezer. Leave undisturbed for a minimum of 4 hours.
6. Remove frozen vials from unit and place in a permanent, long-term storage freezer (e.g. -130°C or below).

NOTE: Store at room temperature when not in use. Replace alcohol every fifth use. Refer to the Nalgene Labware Catalog for the proper method of cleaning the device. The vial holder floats with vials in place and can be used as a floating rack when thawing samples.

Manufactured under an
ISO 13485 registered quality
management system.

NALGENE

Thermo
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COOLING RATES

Cat. No. 5100-0001

Legend: Ideal Cooling, "Mr. Frosty"

Y-axis: Temperature (°C), values 20, 0, −20, −40, −60

X-axis: Time (min), values 0, 20, 40, 60, 80, 100, 120, 140, 160, 180