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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Corning® XT Starter

CORNING

Instructions for Use

Overview of the Corning XT Starter

The Corning XT Starter is designed for maintaining sample temperatures between 0.5°C and 4°C on the bench top without the use of wet ice, batteries, or electricity. A proprietary dual-phase conductive Corning XT Cooling Core provides the cooling source when a thermo-conductive Corning CoolRack® or Corning CoolSink® tube or plate module is placed on top. The Cooling Core and sample module in combination ensure uniform well-to-well temperature throughout the cooling period regardless of sample position. The XT Starter can maintain sample temperature from 0.5°C to 4°C for over 4 hours.

Temperature Range	Cooling Source	Cooling Duration
0.5°C to 4°C	XT Cooling Core	Over 4 hours

Actual performance may vary depending upon the CoolRack or CoolSink module employed, sample load, initial sample temperature, ambient temperature, air currents, and other conditions.

Quick Start

- Remove the XT Cooling Core from -20°C freezer and place on bench.
- When temperature strip on the XT Cooling Core registers 1°C, place the CoolRack or CoolSink sample module on top of the XT Starter.
- Load samples in the CoolRack or CoolSink modules.

⚠ CAUTION:

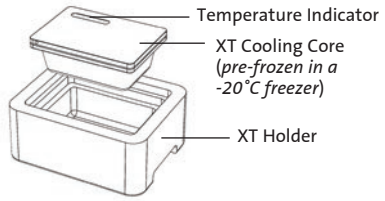
- *Place the XT Starter with the sample module in a safe place on the bench top to prevent accidental spills.*
- *Avoid touching the top metal surface of the XT Cooling Core when removing from the freezer.*
- *Condensation might occur during the cooling period. Simply wipe with a lab tissue to remove.*

IMPORTANT: To ensure your samples do not freeze and to get maximum cooling duration, refer to the detailed instructions that follow.

Corning XT Starter Assembly

The Corning XT Starter consists of a closed-cell high density foam holder and a reusable Corning XT Cooling Core. When a CoolRack or CoolSink tube or plate module is placed on top of the XT Cooling Core, the modules and samples rapidly equilibrate to the temperature of the XT Cooling Core. Samples can be placed in the CoolRack or CoolSink module either before or after the module is placed on top of the XT Starter.

To Assemble:



1. Freeze the XT Cooling Core in a -20°C freezer for at least 12 hours. The XT Cooling Core should be stored in a -20°C freezer when not in use so it is ready when needed. ***Note:*** *Freezing the XT Cooling Core for less than the specified time may result in decreased cooling duration.*
2. Remove the XT Cooling Core from the freezer and place on the bench top for approximately 10 to 15 minutes. When the temperature indicator displays 1°C, the XT Cooling Core is ready to use. ***Note:*** *Frost will form on the core exterior upon removal from the freezer; when the frost liquefies, the core is at proper temperature.*
3. Remove any condensation with a lab tissue and place the XT Cooling Core into the XT Holder.
4. Place a CoolRack or CoolSink module onto the XT Cooling Core.
5. Load samples.

When Using a Room-temperature Coolrack or Coolsink Module:

- Remove the XT Cooling Core from the freezer and place into the holder.
- Place the CoolRack or CoolSink module directly onto the Core (black ring) and allow to equilibrate to 4°C (approximately 10 to 15 minutes).
- Load samples.

When using a pre-chilled (4°C) Corning® CoolRack® or Corning CoolSink® module:

- Remove the Corning XT Cooling Core from the freezer and place on the bench top for approximately 10 minutes. When the temperature indicator displays 1°C, the XT Cooling Core is ready to use.

IMPORTANT: Failure to allow the XT Cooling Core to reach 1°C may result in sample freezing.

- Place the XT Cooling Core into the holder.
- Place the pre-chilled CoolRack or CoolSink module onto the Core (black ring).
- Load samples.

Care and Cleaning

The XT Starter holder is constructed from a cross-linked closed-cell dense polyethylene foam. The material has excellent resistance to fluid absorption and abrasion. Maximum temperature exposure is 60°C. Avoid prolonged exposure to ultraviolet light sources. The XT Holder can be cleaned with aqueous detergents, alcohol, 10% bleach, or acid/base viricide (such as Virkon S) solutions. The XT Cooling Core can be cleaned with aqueous detergents, alcohol, or acid/base viricide (such as Virkon S) solutions. Rinse with clear water after using cleaning solutions. Do not autoclave.

Ordering Information

Cat. No.	Description	Dimensions (L x W x H):
432014	Corning XT Starter complete, purple	Exterior: 6.4 x 4.8 x 2.2 in. (16.2 x 12.0 x 5.5 cm)
432015	Corning XT Holder only, purple	
432081	Corning XT cooling core	

Corning CoolRack and CoolSink modules compatible with the Corning XT Starter

Cat. No.	Description	Qty/Cs	Accommodates
432034	CoolRack M6, gray	4	6 x 1.5 mL or 2.0 mL microcentrifuge tubes
432035	CoolRack M6, green	4	6 x 1.5 mL or 2.0 mL microcentrifuge tubes
432036	CoolRack M6, orange	4	6 x 1.5 mL or 2.0 mL microcentrifuge tubes
432037	CoolRack M15, gray	1	15 x 1.5 mL or 2.0 mL microcentrifuge tubes
432038	CoolRack M15, green	1	15 x 1.5 mL or 2.0 mL microcentrifuge tubes
432039	CoolRack M15, orange	1	15 x 1.5 mL or 2.0 mL microcentrifuge tubes
432040	CoolRack XT M24	1	24 x 1.5 mL or 2.0 mL microcentrifuge tubes
432041	CoolRack M30, gray	1	30 x 1.5 mL or 2.0 mL microcentrifuge tubes
432042	CoolRack M30, green	1	30 x 1.5 mL or 2.0 mL microcentrifuge tubes
432043	CoolRack M30, orange	1	30 x 1.5 mL or 2.0 mL microcentrifuge tubes
432046	CoolRack 500 µL M30-PF	1	30 x 0.5 mL conical microcentrifuge tubes
432047	CoolRack M15-PF	1	15 x 1.5 mL conical microcentrifuge tubes
432048	CoolRack M30-PF	1	30 x 1.5 mL conical microcentrifuge tubes
432049	CoolRack CF15	1	15 cryogenic vials or FACS tubes
432050	CoolRack XT CFT24	1	24 cryogenic vials or FACS tubes
432052	CoolRack CFT30	1	30 cryogenic vials with locking wells, or FACS tubes
432053	CoolRack XT PCR96	1	1 x 96-well PCR microplate
432054	CoolRack XT M-PCR	1	6 x 1.5 mL microcentrifuge tubes and 6 PCR strip wells
432055	CoolRack XT PCR384	1	1 x 384-well PCR microplate
432056	CoolRack 96 x 0.5 mL	1	96 x 0.5 mL 2D bar code tubes
432057	CoolRack 96 x 1 mL	1	96 x 1.0 to 1.4 mL 2D bar code tubes
432058	CoolRack SV2	1	12 x 5 mL st andard serum vials
432059	CoolRack SV10	1	12 x 10 mL standard serum vials
432070	CoolSink XT 96F	1	1 x 6-, 12-, 24-, 48-, 96-well flat-bottom microplate
432071	CoolSink XT 96U	1	1 x 96-well U-bottom microplate

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

For additional product or technical information, visit **www.corning.com/lifesciences** or call 800.492.1110. Outside the United States, call +1.978.442.2200 or contact your local Corning sales office.

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