NanoCellect
Product Insert

CX2 Collection Cooler

The CX2 Collection Cooler keeps sorted cells at a safe 4 ±3 °C for 75 minutes. When using three CX2s sequentially, valuable cells are kept at the optimum temperature for viability for the entire duration (6 hours) of a bulk sorting run.

The easy-to-use CX2 Collection Cooler replaces the collection tube holder on the WOLF® or WOLF G2® Cell Sorter. Used in conjunction with the CS1 Chiller-Stirrer, it enables to keep temperature-sensitive samples and sorted cells in an optimal temperature for the entire workflow.

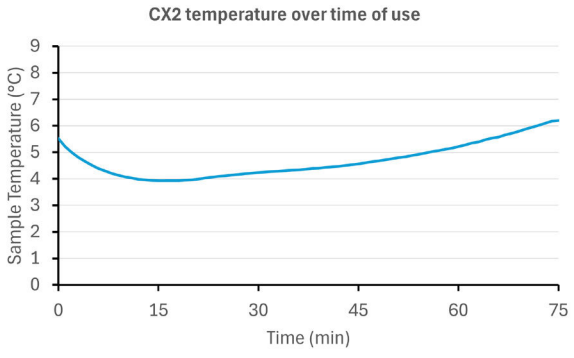

Figure 1: CX2 Channel Collection Tube Temperature - Maintaining 4-7°C over 75 minutes

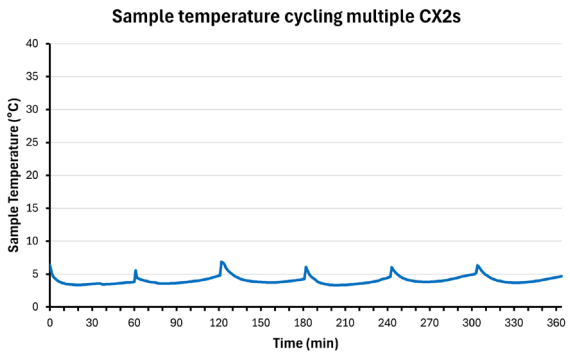

Figure 2: CX2 Sample Collection Tube Temperature - Maintaining 4-7°C over 6 hours by using multiple CX2s sequentially

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Performance	
Chilling Temperature	4 ±3°C (39.2 ±5.4°F)
Chilling Time	75 minutes; indefinitely when 3 CX2s are used in succession

Compatibility	
Instrument	WOLF or WOLF G2 Cell Sorter
Collection Tubes	5 mL FACS tubes (recommended) 1.5 mL conical tubes

Operating Conditions	
Environmental Use	Indoor
Temperature	15°C to 25°C (59°F to 77°F)
Humidity	5%-60%

Specifications	
Device Dimensions	H 65 mm x W 40 mm x D 54 mm
Weight	78g – 80g
Storage Conditions (in use)	-20°C
Storage Conditions (not in use)	Room temperature

Instructions for Use

Upon receipt, store the CX2 Collection Coolers at -20°C. The foam insert can optionally be used in the freezer if desired.

Before initial or first use, the CX2 should be stored at -20°C overnight and then set out at room temperature for 20 minutes. For subsequent uses, the CX2 can be stored at -20°C for at least 2 hours.

1. Ensure that the three CX2 Collection Coolers have been appropriately stored at -20°C overnight.

2. Take one CX2 out of the freezer and set out at room temperature for 20 minutes, while performing cartridge setup.

3. Insert 5 mL FACS tubes into the CX2 that has been sitting out for 20 minutes, and then attach it to the cell sorter. Note that the CX2 has the same configuration as the standard collection tube holder, with the tube corresponding to channel A being the farthest away from the instrument, channel C being the tube closest to the instrument, and the middle tube collecting unsorted cells.

4. Begin the sorting run.

5. After 55 minutes, take a second CX2 out of the freezer and set it out at room temperature.

6. Twenty minutes after setting out the second CX2 (75 minutes after beginning the run), remove the first CX2 from the cell sorter and replace it with the second CX2. Put the first CX2 back in the freezer.

7. Continue in this manner until the sorting is finished: After 55 minutes of use, take another CX2 out of the freezer; after 75 minutes of use, remove the CX2 on the instrument and replace it with the one which has been at room temperature for 20 minutes. Return the first CX2 to the freezer; it may be used again after 2 hours at -20°C.

By using three CX2 Collection Coolers in this way, cell collection tubes may be kept at 4 ±3°C for the duration of the sorting run up to 6 hours.

Cleaning of the CX2

The CX2 Collection Cooler can be cleaned with 10% bleach or 70% alcohol as other commonly used lab goods. While the CX2 is designed as an entirely sealed product, it should not be submerged to avoid moisture getting inside of it.

Safety Information

The CX2 includes a phase change matrix containing 5-chloro-2-methyl-4-isothiazolin-3-one solution that may produce an allergic reaction. The matrix is contained in a hermetic packet located inside the sealed CX2. The CX2 does not require a Safety Data Sheet as the user should never come in contact with the matrix. Please read out compliance letter. In case of damage to the CX2, please discard with safety precautions consistent with hazard materials.

Ordering Information	
CX2 Collection Cooler	Cat# 131060
For more information, visit nanocellect.com or email info@nanocellect.com	