

# CS1 Chiller-Stirrer Accessory



## Overview

The new CS1 Chiller-Stirrer is designed to help keep valuable, temperature-sensitive samples cooled and in suspension while running bulk or single-cell sorts on the WOLF and WOLF G2 Cell Sorters. The cooling mechanism of the CS1 provides an optimal environment that maintains the viability of many types of sensitive cells by keeping both sample and sheath fluid cooled to a set temperature from 4-24°C. In addition, samples that are challenging to keep in suspension during longer sort times or those that aggregate quickly, can be kept in suspension using the magnetic stir bar. The CS1 temperature and stirring functions can be controlled independently using the WOLFViewer software.

## Key Benefits

- Increased viability
- Better cell suspension
- Improved sort efficiency
- Easy installation
- Customizable via WOLFViewer software
- Compatible with the WOLF and WOLF G2 cell sorters

## Components

- CS1 Chiller-Stirrer Device (with metal mounting bracket)
- Control Module
- Power Supply
- Power Supply Cable
- Ethernet cord
- 3x Magnetic stir bars

## Specifications

Operating Conditions	
Environmental Use	Indoor
Altitude	Up to 2000m
Temperature	15°C to 25°C (59°F to 77°F)
Humidity	5%-60%
Pollution Degree	2

Performance	
*Stirring Speed	50-300 RPM
Chilling Temperature	4-24°C (39.2-75.2°F)

Fluidics	
Sample Input	1.5, 2.0, and 5.0 mL tubes*
Sheath Input	50 mL conical tubes
Sheath Fluid	1X Phosphate-buffered saline (PBS) or buffer of choice
Minimum sample volume	150 µL without stir bar, 200 µL with stir bar

\*Stirring is only compatible with 5.0 mL round-bottom tubes

Operating Conditions	
Device Dimensions	(H) 135.1mm X (W) 149.0mm X (D) 93.1mm
Controller Module Dimensions	(H) 5.32in X (W) 5.87in X (D) 3.67in
Weight	(H) 52.0mm X (W) 136.2mm X (D) 139.37mm
Power Supply Power Rating	(H) 2.05in X (W) 5.36in X (D) 5.49in
Power Supply Overtolerance Category	3 lbs (1.36 kg)
Controller Module Power Rating	12VDC 48W
Chiller-Stirrer Device Power Rating	100-240VAC, 50-60Hz, 1.1A
Temperature Range	II
Controller Module Power Rating	12VDC 48W
Chiller-Stirrer Device Power Rating	12VDC 20W
Temperature Range	15-25°C (59-77°F)
Humidity Range	5-60% relative humidity



For more information, visit [nanocellect.com](http://nanocellect.com) or email [info@nanocellect.com](mailto:info@nanocellect.com)

Ordering Information	
CS1 Chiller-Stirrer	131020