

# Omni BR Cryo

## COOLING UNIT



*Protect heat sensitive samples  
during homogenization*



# Omni BR Cryo

The **BR Cryo Cooling Unit** is compatible with the Bead Ruptor 24 Elite and is designed to prevent the increase of sample temperature during the homogenization process. Friction generated through the bead milling process generates heat that is imparted to the sample. In order to maintain a constant processing temperature during homogenization, the BR Cryo passes chilled air ( $-100^{\circ}\text{C}$  to  $-50^{\circ}\text{C}$ ) into the sample processing chamber and across the sample tubes to dissipate heat.



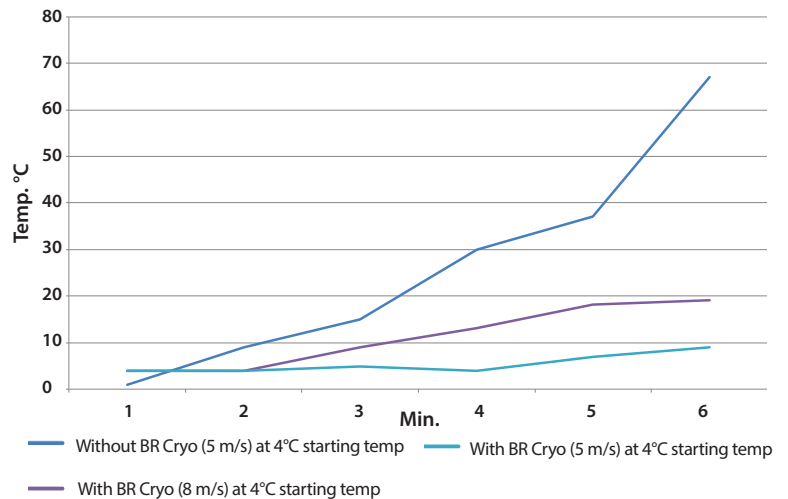
## Specifications

**Dimensions:** 29.2 (high) x 34.3 (deep at base) / 20.3 (deep at top) x 22.9 wide cm

**Weight:** 7.26 kg (16 lbs)

**Cryo Chamber Volume:** 1 Liter (1.056 quarts)

**Warranty:** One Year



## Operating Requirements

**Optimal Pressure of Compressed Air Source:** 55 - 100 PSI

**Clean & Dry Compressed Air:** Purity 99.99%, water < 5 ppm

**Liquid Nitrogen Required Per Run:** 1 Liter max

**Liquid Nitrogen Consumption:** About 1 liter per 5 min. of homogenization time

**Dry Ice/Alcohol Mixture Required:** 0.5 L (16 oz.) of ethanol + 0.5 L (16 oz.) of dry ice

**Dry Ice Consumption:** 1 Liter of mixture per 90 min. of homogenization time

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