

2000 mL BIOS Bottle User Instruction Sheet

Preface

Before starting to use the bottles read through this manual carefully and follow the instructions. Failure to follow the instructions and safety information in this manual will result in the expiration of the seller's warranty.

Intended Use

The 2000 mL BIOS bottle is intended for centrifugation in biotechnological applications. The bottle is specifically designed for use in combination with Sorvall BIOS 16 centrifuges and 8 x 2000 mL or 6 x 2000 mL swinging bucket rotors, respectively.

The 2000 mL BIOS bottle is not approved or intended for, and should not be used for medical, clinical, surgical or other patient oriented applications.

Product Specification

Cat. No.	75003872
Product Name	Thermo Scientific 2000 mL BIOS Bottle
Description	2000 mL bottle with closure
Package	Set of 2
Material Bottle	Polypropylene
Material Closure	Polypropylene
Max. Capacity [mL]	2000
Maximum Sample Density [g/mL]	1.2
Centrifugation Life Time	50 cycles
Minimum fill level [mL]	1000 mL
Fill Level	If fill volume is between 1900-2000 mL then limitation:
Temperature	in temperature to 4-40 °C
G-force	in g-force to max. 7187 x g
Run duration	in run duration to 50 cycle, without duration limitation
Fill Level	If fill volume is between 1000-1899 mL then limitations:
Temperature	in temperature to 4-22 °C
G-force	in g-force to max. 7187 x g
Run duration	in duration to one cycle, max. 2 h run duration
Centrifuge	Thermo Scientific Sorvall BIOS 16
Rotor	8 x 2000 mL 6 x 2000 mL
Auto clavable	Bottle and closure: 20 cycles at 121 °C for 20 min.
Certifications	USP Class VI, non-cytotoxic

Rotor Compartment Load

Bottles may be filled with up to 2000 mL. At 2000 mL the liquid level will be at the first thread of the bottle neck. Minimum fill level is 1000 mL.

Caution: If the maximum compartment mass is exceeded, the speed or fill level must be reduced. Failure to do so can result in personal injury and/or centrifuge damage. Check the centrifuge manuals for maximum allowable compartment load.

Chemical Resistance

The compatibility between chemicals and plastic centrifuge ware is affected by temperature, chemical concentration, g-force, length of run and other factors. Because of the stresses associated with centrifugation, these ratings are a general guide only. We recommend a trial run before using a certain chemical.

Instruction

2000 mL BIOS Bottle require a closure.

1. Fill the bottle and place the closure onto the bottle, turn cap until hand-tight.
2. Before placing bottles into the rotor, weigh bottles to make sure that the bottles are balanced within the acceptable limit for the respective rotor being used. Consult the centrifuge manual for the acceptable imbalance tolerance.
3. After the run turn the closure counterclockwise to open the bottle.

Cleaning 2000 mL BIOS Bottle (75003872)

Notice: Do not use abrasive cleaners or brushes.

1. Soak centrifuge bottles in warm water with a mild, non-alkaline detergent to loosen debris.
2. Hand wash and rinse thoroughly, with final rinse in distilled (or deionized) water.
3. Allow to air dry.

Notice: Do not autoclave bottles with closures engaged to prevent collapse of bottles when cooling.

Notice: Before each use, inspect bottle and closures for signs of wear including cracks, crazing, discoloration, yellowing, brittleness, deformation, surface abrasions or chemical attack. Immediately discard bottle or closure showing any signs of wear.

Drawing

