USER MANUAL
Product: WASHING BUFFER

Components: NaCl, KCl, Na_2HPO4, KH_2PO4, Sodium pyruvate, HEPES

Reference number: 149 (100mL), **150** (500 mL)

Size: 100 mL bottle and 500 mL bottle.

Intended use:

For research or manufacturing purposes only.

Overview Product:

Washing Buffer is a solution used for cell or tissue washing supplemented with glucose during the manufacturing of cell-based products to enhance cell viability. It utilizes two pH buffer systems, phosphate and HEPES, with a low endotoxin level (≤ 1.0 EU/mL) and is free from Mycoplasma contamination, meeting the sterility requirement (0 CFU). The pH range is 6.5 - 7.5, and the osmotic pressure is 286 - 356 (mOsm/kg).

Known Applications:

Washing Buffer demonstrates efficacious cell washing capabilities for various cell culture applications, including pre-seeding cell washing, cell dilution for cell counting, and preparation of test substances.

Reconstitution, Dilution, and Mixing:

The product is supplied in a 1X concentration, requiring no further dilution or addition of any components prior to use.

Materials and Reagents Required But Not Provided:

Not applicable.

Handling and Storage:

Store at temperatures ranging from 2°C to 8°C.

Recommended shelf life: best before 24 months from manufacture date.

Instructions for Use:

1. Discard the old cell culture medium from the culture vessel.
2. Gently wash the cells by adding an appropriate volume of Washing Buffer at a ratio of 0.4 - 0.7 mL per cm2. Afterward, discard the Washing Buffer.
3. Depending on the specific purpose, add the cell culture medium or cell dissociation solution.

Precautions:

Do not use the product if the packaging is damaged or broken, or if the solution appears turbid or discolored.

If a small amount is needed, it is advised to aliquot the solution into sterile containers and allow it to reach room temperature before use.

For optimal cell quality during cell passaging, it is recommended to use the Deattachment reagent (Product code 121 or 120) for cell dissociation.

First Aid Measures:

Not applicable.

Hazard Identifications:

The symbols on the product labels are explained below.

Use By:	Batch code	Keep away from light	Catalog number
Temperature Limitation	Consult instructions for use	Caution, consult accompanying documents	Sterilized using aseptic processing techniques

Related products:

Product Name	Reference Number
Deattachment	
100 mL	**120, 411**
500 mL	**121**
PBS 1X	
500 mL	**163, 395**
PBS OTS	
500 mL	**102, 396**
Deep-Wash Buffer	
100 mL	**164**
500 mL	**165**

To purchase other products, please visit: http://biomedmart.org

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