DEEP-WASH BUFFER

NaCl (U.S.P), KCl (U.S.P), NaH_2PO_4 (U.S.P), K_2HPO_4 (U.S.P), Recombinant trypsin (U.S.P), Collagenase (U.S.P), EDTA (U.S.P), DNase (U.S.P)

Catalog number: 164, 165

Size: 500 mL

Intended Use:

Deep-Wash buffer is used to maintain pH and osmotic balance during cell culture procedure such as washing cells, diluting cells for counting and resuspending cells.

The products are for in vitro use only and not for diagnostic or therapeutic procedures.

Summary and Explanation:

Deep-Wash Buffer is developed to wash adherent cells during monolayer culture. Different to PBS and Washing Buffer, Deep-Wash is enhanced with enzymes protease and DNAse that can effectively wash proteins and other debris in culture surfaces. Using Deep-Wash Buffer is an efficient method to enhance the cell proliferation due to the removal of contact inhibition signals between cells and cells in the monolayer culture.

In procedures that cells are manipulated outside their physiological condition, Deep-Wash Buffer maintain the cell viability in a short period of time.

Known Applications:

Using Deep-Wash Buffer to wash cells before adding fresh medium shows deceleration in cell senescence compared to using PBS or without washing.

Reagents Provided:

- 100 mL Deep-Wash Buffer *or*
- 500 mL Deep-Wash Buffer

Reconstitution, Dilution and Mixing:

Deep-Wash is prepared at 1X concentration. No dilution is required.

Materials and Reagents Required But Not Provided:

Not applicable.

Storage and Stability:

Stored at -20 – 8°C

Shelf life at 12 months.

Instructions for Use:

For washing cells

1. Discard growth medium from culture vessel.
2. Add an appropriate amount of Deep-Wash (0.4 – 0.7 mL / cm^2) to the vessel. Gently swirl the solution to cover the cell layer.
3. Discard the solution and replace with Deattachment or growth medium.

Limitations:

Non-injectable and non- transfusable.

Quality Control:

- pH: 7.8 – 8.2
- Colour: Clear
- Osmolality: 286-356 mOsm/kg
- Sterility: Negative
- Mycoplasma: < 0.9 RLU/s
- Endotoxin: ≤ 1 EU/mL
- Volume: 100 (+1) mL, 500 (+5) mL

Precautions:

Do not use the product if the packaging is compromised or cracked and/or the media shows sign of microbial contamination and/or cloudy appearance.

Troubleshooting:

Not applicable

References:

Not applicable

Explanation of symbols and warnings

The symbols on produce 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

Products	Catalog No.
Deattachment	
100 mL	120
200 mL	121
MSCCULT I	
100 mL	107
500 mL	108
ADSCCULT I	
100 mL	116
500 mL	117

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

For further information: Please contact us at:

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