

ENZ™-Free Non-Enzymatic Cell Dissociation Solution

Item number:	118-094-721
pH:	7.4 ± 0.2
Osmolality:	310 ± 5% mOSM/Kg H ₂ O
Shelf Life:	36 months from date of manufacture
Storage conditions:	15°C to 30°C

Description

Quality Biological's ENZ™-Free is a proprietary, non-enzymatic solution specially formulated for the non-destructive detachment of adherent cells from culture vessel surfaces. This sterile filtered reagent is prepared with Dulbecco's Phosphate Buffered Saline (DPBS) without calcium and magnesium.

Applications

- Serum-free cell culture systems
- Protein-free cell culture systems
- Serum-containing cell culture systems

Procedure

1. Warm the ENZ™-Free to 37°C.
2. Aspirate the medium from the cell culture vessel. Rinse the cells with DPBS without Calcium and Magnesium or EndoToxFree™ DPBS, USP grade if working with sensitive cells.
3. Rock the flask to cover the cells. Remove the rinsing buffer by aspiration.
4. Add 1-2mL of ENZ™-Free per 25 cm² of surface area and rock the vessel to completely coat the cells.
5. Incubate at 37°C until the cells have detached. Keep observing in 5 min intervals. Gentle tapping of the culture vessel might be applied to dislodge cells.
6. Add an appropriate volume of medium and resuspend cells by gently pipetting up and down.

Handling Consideration

Prolonged exposure to ENZ™-Free may be harmful to the cells, carefully monitor step #5 and proceed to step #6 as soon as the cells have detached. ENZ™-Free is not recommended for routine passaging of strongly adherent cells.

Quality Control

Quality Control ensures that the product meets predefined standards, specifications, and customer expectations before a lot is released.

Product Specific Testing

Each lot of ENZ™-Free is tested to verify it meets the predefined specifications for the following parameters:

- pH
- Osmolality
- Sterility
- Performance

Related Products

- 1X DPBS without Calcium & Magnesium
- 1X EndotoxFree™ DPBS, USP grade

Product	Item #	Size
1X DPBS without Ca and Mg	114-057-101	500 mL
EndoToxFree™ DPBS	114-057-131	1000 mL
	114-348-101	500 mL

All products sold by Quality Biological Inc. are intended for research or further manufacturing use, not for diagnostic or therapeutic use.