

GenXion 重组胰蛋白酶消化液(1X) 无酚红

货号: GX12604 规格: 100ml

Product description

GenXion trypsin is an animal origin-free recombinant enzyme alternative to porcine or bovine trypsin for the dissociation of attachment-dependent cell lines from plasticware. GenXion trypsin cleaves peptide bonds on the C-terminal side of lysine and arginine but with greater specificity than native trypsin preparations due to the superior purity of GenXion trypsin. GenXion trypsin has demonstrated the ability to dissociate cells cultured both in serum-free and serum supplemented systems. GenXion trypsin products are formulated in DPBS/1 mM EDTA, are room-temperature stable, and are convenient to use.

Procedural guidelines

1. No inactivation required; dilution alone inactivates GenXion trypsin avoiding the need for trypsin inhibitors.
2. GenXion trypsin is also stable when stored in bottles at 2 ° C to 8 ° C and - 20 ° C to - 5 ° C protected from light up to 24 months.
3. GenXion trypsin packaged in the 5 L universal bag is also stable when stored at 2 ° C to 8 ° C protected from light up to 24 months.

Detach cells

GenXion trypsin is designed as a direct substitute for trypsin in existing protocols.

1. Pre-warm TrypLE and complete growth medium to 37 ° C before use. Minimize dwell time.
Note: GenXion trypsin may be used at ambient room temperature for many types of cells.
2. Aspirate spent medium and discard.
3. Wash cell monolayer with 5 mL of Dulbecco's PhosphateBuffered Saline (DPBS) without calcium and magnesium. Aspirate and discard.
4. Add an appropriate volume (e.g., 5 mL in a 75 cm² flask) of GenXion trypsin to flask. Ensure complete coverage of cell monolayer with GenXion trypsin.
5. Incubate at 37 ° C until cells have detached. Observe cell monolayer using an inverted microscope to ensure complete cell detachment from the surface of the flask. Gently tap flask to dislodge cells if necessary.
6. Add 5-10 mL of pre-warmed complete medium to flask. Tilt flask in all directions to thoroughly rinse flask. Cell suspension to a 15-mL conical tube.
7. Centrifuge at 100 x g for 5-10 minutes.
8. Discard supernatant and resuspend cell pellet with 2-5 mL of pre-warmed complete medium.
9. Determine viable cell density and percent viability using a Countess[®] Automated Cell Counter (similar automated or manual methods may be used).
10. Seed, incubate and subculture according to normal protocols depending on your cell type.

Note:

1. Wear appropriate protective eyewear, clothing, and gloves.
2. For Research Use Only. Not for use in diagnostic procedures.
3. Use of soybean trypsin inhibitor is not recommended.

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