

AQUATRYP™



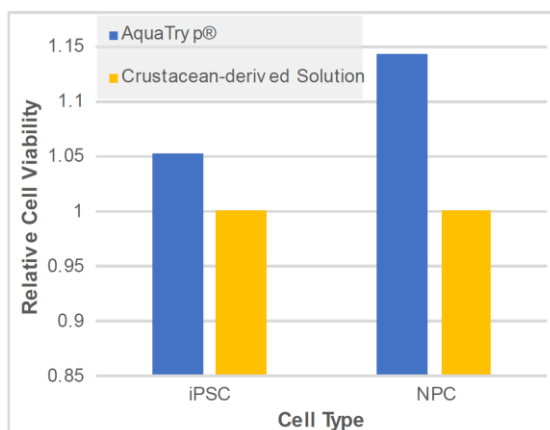
Gentle Enzymatic Cell Detachment Solution non-mammalian, non-bacterial, non-viral

AquaTryp™ is a sterile, ready-to-use gentle cell detachment reagent that serves as a direct replacement for porcine trypsin. Comprised of a proprietary enzyme preparation with trypsin and collagenolytic activities, AquaTryp™ is purified from a non-mammalian, non-bacterial cold-water adapted aquatic source.

AquaTryp™ is the ideal choice for **sensitive** cell types. Provided sterile, low-endotoxin, and ready-to-use, AquaTryp™ is specifically formulated to ensure optimal cell detachment performance while limiting undesired cell surface protein lysis. EDTA aids with gentle cell detachment, contributing to the superior performance of AquaTryp™ when benchmarked against a commonly used crustacean-derived competing product. AquaTryp™ is functional across broad pH and temperature ranges, making it possible to detach cells or dissociate tissue at lower incubation temperatures. This is particularly interesting for researchers working with sensitive cell types, primary cell preparations, organoids, and similar applications.

Benefits:

- Gentle, effective cell detachment suitable for sensitive cell types
- Maintain high cell viability
- Efficiently detach a wide variety of adherent cells
- Directly replace porcine Trypsin in standard protocols
- No risk of porcine circovirus or other adventitious agents of mammalian origin



AquaTryp® outperforms a crustacean-derived enzymatic cell detachment solution as measured by relative post-detachment viability of iPSC and NPC cell types

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AquaTryp Product Details

Available Formats:

Cat. No.	Product	Quantity	List Price CHF
5-51S38-H	AquaTryp, sterile solution	100ml	95.00
5-51S38-I	AquaTryp, sterile solution	500ml	350.00

Interested in testing?

Order your AquaTryp™ sample (#5-51S38-SAMPLE, 100ml) at a reduced price of 20.00 CHF plus 31.00 CHF for shipping at dry ice at info@bioconcept.ch. Orders above 800.00 CHF value are shipped free of charge.

Formulation

1x proprietary aquatic enzyme preparation in DPBS with EDTA, and Phenol Red

Preparation and Storage

AquaTryp™ is shipped frozen as a 1x ready-to-use solution under temperature-controlled conditions and should arrive completely frozen. Upon receipt, we recommend long-term storage at -20°C. If immediate use is required, allow to thaw and aliquot into appropriate volumes. Store working stock at 2-8°C. Once thawed, AquaTryp™ is stable at 4°C for one month. Cell detachment performance is retained at > 75% after 2 freeze-thaw cycles. Do not pre-warm at 37°C! AquaTryp™'s constituent cold-water adapted enzymes are most stable at temperatures below 25°C. Heating AquaTryp™ at temperatures above room temperature for extended durations measurably reduces enzymatic activity.

Recommended Cell Detachment Protocol

1. Optimal cell detachment conditions should be determined empirically per cell type by user.
2. Allow AquaTryp™ to thaw at 2-8°C or at room temperature (RT). Once thawed, immediately proceed to step 2.
3. Remove media from culture vessel and gently wash cells with sterile PBS.
4. Add AquaTryp™ directly to culture vessel at a volume entirely covering the cell layer. We recommend 3ml per T75 flask or 100mm dish.
5. Incubate at 37°C for 3 minutes, at RT for 5 - 10 minutes, or until cells are visibly detached. Detachment of strongly attached cells can be aided by firmly tapping flask or plate against hand or surface.
6. Resuspend cells in growth medium, count cells as required, and passage as usual.