

Enzymes for Cell Dissociation

Collagenase type I

Natural balance of enzyme activity. Recommended for cell preparation from epithelial lung tissue, tissue of the suprarenal gland and adipose tissue. Store at 2 – 8° C.

Collagenase type II

With especially high activity of clostripain and trypsin. Recommended for cell preparation from liver tissue, bone tissue, cardiac tissue, thyroid gland tissue and salivary gland tissue. Store at 2 – 8° C.

Collagenase type III

Normal collagenase activity with a minimum of proteolytic activity. Especially recommended for breast tissue. Store at 2 – 8° C.

Collagenase type IV

Selected low tryptic activity at high collagenase activity and normal clostripain level. Recommended for cell preparation from the pancreatic island. Store at 2 – 8° C.

Collagenase type I (Worthington - USA origin)	100 mg 1 g	LS0004194 LS0004196
Collagenase type II (Worthington - USA origin)	100 mg 1 g	LS0004174 LS0004176
Collagenase type III (Worthington - USA origin)	100 mg 1 g	LS0004180 LS0004182
Collagenase type IV (Worthington - USA origin)	100 mg 1 g	LS0004186 LS0004188

Accutase

Description

Accutase is a ready-to-use cell detachment solution made of collagenolytic and proteolytic enzymes. It is used for routine detachment of adherent cells from tissue culture plates and flasks. A multitude of cell types has been successfully sub-cultured with Accutase, including fibroblasts, endothelial, vascular smooth muscle cells, as well as hepatocytes, embryonal stem cells, and many immortalized cell lines such as adherent CHO and BHK cells, HEK 293, L929, HeLa, 3T3, and others. Accutase is free of mammalian or bacterial products.

Composition

Accutase enzymes (activity > 500 U/ml) in DPBS w/o Ca/ Mg with 0.5 mM EDTA and phenol red.

Suitability

Accutase can be used as a direct replacement of trypsin for cell dissociation.

Special advantages

Neutralizing of the Accutase enzymes is not required for routine cell culture passaging. The product is active at room temperature, no pre-warming required or recommended. Gentle detachment of cells for analysis of cell surface markers, transfection procedures, migration or proliferation assays, flow cytometry, and routine cell passage.

Accutase ⁽¹⁾	100 ml	P10-21100 NEW
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(1) usually on stock, (2) minimum order 10 l, (3) available upon request

Enzymes for Cell Dissociation

Trypsin and others

Application

For dissociation of tissue and cell monolayer cultures.

Shelf life

Solution 24 months, powder 36 months.
The shelf life commences with date of production.
Our trypsin is tested negative for mycoplasma.

Storage

Solution at -20° C, powder at 2 - 8° C.

Other sizes and custom formulation

Please ask for other sizes or special formulations of trypsin; in most cases we can provide a solution.

Trypsin 0.25 %/EDTA 0.02 % in PBS ⁽¹⁾ without Ca and Mg with Phenol red	100 ml 500 ml	P10-019100 P10-019500
Trypsin 0.25 %/EDTA 0.02 % in PBS ⁽¹⁾ without Ca and Mg	100 ml 500 ml	P10-020100 P10-020500
Trypsin 0.25 % in PBS ⁽¹⁾ without Ca and Mg	100 ml 500 ml	P10-021100 P10-021500
(10x) Trypsin 2.5 % in PBS ⁽²⁾ without Ca and Mg	100 ml 500 ml	P10-022100 P10-022500
Trypsin 0.05 %/EDTA 0.02 % in PBS ⁽¹⁾ without Ca and Mg	100 ml 500 ml	P10-023100 P10-023500
Trypsin 0.05 %/EDTA 0.02 % in PBS ⁽¹⁾ without Ca and Mg with Phenol red	100 ml 500 ml	P10-0231SP P10-0235SP
(10x) Trypsin 0.5 %/EDTA 0.2 % in PBS ⁽²⁾ without Ca and Mg	100 ml 500 ml	P10-024100 P10-024500
Trypsin 0.5 %/EDTA 0.01 % in PBS ⁽²⁾ without Ca and Mg	100 ml 500 ml	P10-027100 P10-027500
Trypsin 0.25 %/1 mM EDTA 4 Na in PBS ⁽¹⁾ without Ca and Mg	100 ml	P10-028100
Trypsin 0.25 %/1 mM EDTA in HBSS ⁽¹⁾ without Ca and Mg with Phenol red	100 ml 500 ml	P10-029100 P10-029500
Trypsin 0.05 %/EDTA 4 Na 0.02 % in HBSS ⁽²⁾ with Phenol red	100 ml 500 ml	P10-040100 P10-040500
Trypsin special solution (for ES-cells) ⁽¹⁾	100 ml	P10-100100
Trypsin Inhibitor 1 mg/ml ⁽¹⁾	100 ml	P10-033100
Trypsin powder (1:250) porcine origin ⁽¹⁾	25 g 100 g 250 g	P10-025025P P10-025100P P10-025500P
EDTA 1 % in PBS without Ca and Mg ⁽²⁾	100 ml 500 ml	P10-026100 P10-026500
Dispase II neutral proteins, grade II ⁽¹⁾	100 ml	P10-032100
Dispase purified neutral protease ⁽³⁾	10 mg	LS0002100

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