

## Product Information

# CellPrime® rTrypsin Recombinant trypsin

### Product description

CellPrime® rTrypsin is recombinantly expressed by a synthetic DNA construct that encodes the porcine gene sequence in the yeast *Pichia pastoris*. Like all members of the recombinant CellPrime® portfolio, CellPrime® rTrypsin is a non-animal origin product that does not contain components of animal origin in the

- Master Cell Bank (MCB),
- Working Cell Bank (WCB),
- Production raw materials,
- Manufacturing process, or
- Final product

### Product applications

Recombinant trypsin is typically used in these applications:

- Vaccine production: to dissociate and resuspend adherent cells during harvest
- Therapeutic recombinant insulin manufacturing: pro-insulin to active recombinant insulin maturation
- Adult human stem cell culture: to dislodge adherent cells (e.g. hMSC) while preserving the structural and functional integrity of cell surface markers

### Handling instructions

- Store CellPrime® rTrypsin powder **refrigerated** at 2– 8 °C and keep on ice during handling. Weigh and dissolve lyophilisate into use buffer, e.g. 1 x PBS pH 7–7.4 w/o Ca<sup>2+</sup> and Mg<sup>2+</sup>
- Store CellPrime® rTrypsin liquids **frozen** at –20 °C, aliquot (if necessary) upon receipt and refreeze **once**. Discard aliquots after diluting into use buffer for your application.

### Ordering information

CellPrime® rTrypsin is available in various pack sizes, both as lyophilized powder and as a liquid formulation.

Catalog number	Product name	Mega units	Pkg. size
1.06301.0001	CellPrime® rTrypsin recombinant Trypsin (powder)	0.119 MU	1 g
1.06301.0010	CellPrime® rTrypsin recombinant Trypsin (powder)	1.19 MU	10 g
1.06301.0050	CellPrime® rTrypsin recombinant Trypsin (powder)	5.95 MU	50 g
1.06302.0002	CellPrime® rTrypsin recombinant Trypsin (liquid)	0.013 MU	1 mL
1.06302.0010	CellPrime® rTrypsin recombinant Trypsin (liquid)	0.13 MU	10 mL
1.06302.0050	CellPrime® rTrypsin recombinant Trypsin (liquid)	0.65 MU	50 mL
1.06302.0200	CellPrime® rTrypsin recombinant Trypsin (liquid)	2.6 MU	200 mL

Note: rTrypsin activity according USP38 (89), 2015. One unit of trypsin activity using carbobenzoxy-valyl-glycyl-arginine-4-nitril-anilide acetate (Chromzym TRY) as the substrate corresponds to 21 USP trypsin (BAEE) units.

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12/2015

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