

CnT-DNP-10

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Dispase II, Neutral Protease, 5 x 0.1 gram

Dispase® is a neutral protease which cleaves fibronectin, collagen IV, and to a lesser extent collagen I, and can be used to separate epithelial tissues from underlying mesenchyma.

TISSUE TYPE	Enzymes
PACK SIZE	5 x 100 mg (approx) powder aliquots (separate tubes)
PRODUCT USE	Reconstitute a single powder aliquot by adding 4 mL of PBS directly to the tube supplied, to make up a 10x solution. Gently swirl to ensure complete solubilization. Sterile filter this 10x solution with a syringe-top filter into a 50 mL tube, then add 36 mL of sterile PBS to make up the 1x solution. Where the protocol calls for an overnight incubation of the tissue sample in PBS, it is recommended to reconstitute the powder aliquots in the culture medium to be used subsequently instead of PBS. The quantity of powder included in each aliquot will vary slightly from lot-to-lot, according to the lot-specific activity. The amount of powder included will always deliver a final 1x activity of 2.4 U/mL after solubilisation. This solution may be stored at 4°C for use within 2 weeks, or aliquoted into 15 mL tubes and frozen at -20°C for use within 6 months. For recommended isolation protocols, please visit the resources section of www.cellntec.com
DEFINED	No
ACF	No
STORAGE / SHELF LIFE	Store at 4°C in powder form. See label for expiry date. After reconstitution with PBS, CnT-DNP-10 should be aliquoted into desired quantities (e.g. 15 mL), and the aliquots refrozen and stored at -20°C for use within 6 months. Avoid additional freeze and thaw cycles. Thaw aliquots at 4°C, and store at this temperature until use. Use within 2 weeks of thawing.
QUALITY CONTROL	Tested for sterility and successful isolation of primary epithelial cells.
SHIPPING CONDITION	CnT-DNP-10 can be shipped alone at ambient temperature, or included with other frozen products.
COMMENTS	Inhibitors: EDTA; EGTA; Hg ²⁺ ; heavy metals; not inhibited by serum Activators: Ca ²⁺ ; Mg ²⁺ ; Mn ²⁺ ; Fe ²⁺ ; Fe ³⁺ ; Al ³⁺ pH optimum: 6 to 8.5
INTENDED USE	For research use only. Not for use in therapy or diagnostics.
ACTIVITY CONCENTRATION	The final 1 x solution has an activity of approximately 2.4 U / mL
LAST UPDATE	2019-01-23