

# Neuronal Isolation Enzyme (with papain)

**88285**

2571.0

**Number****Description**

88285

**Neuronal Isolation Enzyme (with papain)****Contents:** 1 vial, lyophilized, aseptically filled**Storage:** Upon receipt store product at -20°C. Product is shipped on ice packs.

**Description:** Neuronal Isolation Enzyme (with papain) is a tissue-specific dissociation reagent for the isolation of primary cortical and hippocampal neurons from mouse/rat embryonic brain tissue and is a component of the Thermo Scientific™ Pierce™ Primary Neuron Isolation Kit (Product No. 88280).

Papain has been demonstrated to be more effective and less harsh than other proteases for tissue dissociation. At its optimal concentration, this reagent ensures a high yield of viable and functional neurons.

**Papain Information:****Source:** Papaya latex**Molecular mass:** 23kDa**Optimal pH:** 6.0-7.0**Stability:** 1 year at -20°C

**Reconstitution:** Add 2.5mL of HBSS (Product No. 88284) to the vial. Mix gently for 5 minutes or until completely dissolved. Keep enzyme solution on ice until use.

**Storage of Reconstituted Enzyme:** -20°C for 6 months and up to two freeze-thaw cycles, or 1 week at 4°C. Enzyme use after prolonged storage may result in poor performance.

**Application:** One vial of Neuronal Isolation Enzyme (with papain) is sufficient for processing 10 pairs of mouse/rat cortexes or 30 pairs of mouse/rat hippocampi. For a more detailed protocol, please see the instruction booklet for Product No. 88280.

**Related Thermo Scientific Products**

88280	<b>Pierce Primary Neuron Isolation Kit</b>
88283	<b>Neuronal Culture Medium, 500mL</b>
88284	<b>Hanks' Balanced Salt Solution (HBSS, without Ca<sup>2+</sup>/Mg<sup>2+</sup>), 500mL</b>
88286	<b>Neuronal Culture Media Supplement</b>
87793	<b>Syn-PER™ Synaptic Protein Extraction Reagent</b>
87792	<b>N-PER™ Neuronal Protein Extraction Reagent</b>

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