

# Mouse Embryonic Fibroblast (MEF) Isolation Enzyme (with papain)

88290

2574.1

Number	Description
88290	<b>Mouse Embryonic Fibroblast Isolation Enzyme (with papain)</b> <b>Contents:</b> 1 vial, lyophilized, aseptically filled <b>Storage:</b> Upon receipt store product at 2-8°C. Product is shipped on ice packs.

**Description:** Mouse Embryonic Fibroblast Isolation Enzyme (with papain) is a tissue-specific dissociation reagent for isolation of MEFs from mouse embryonic tissue and is a component of the Thermo Scientific™ Pierce™ Mouse Embryonic Fibroblast Isolation Kit.

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 fibroblasts.

**Papain Information:**

**Source:** Papaya latex  
**Molecular mass:** 23kDa  
**Optimal pH:** 6.0-7.0

**Stability:** 1 year at 2-8°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 Mouse Embryonic Fibroblast Isolation Enzyme (with papain) is sufficient for processing 10 mouse embryos. For a more detailed protocol, please see the instruction booklet for Product No. 88279.

**Related Thermo Scientific Products**

88279	<b>Pierce Mouse Embryonic Fibroblast Isolation Kit</b>
88284	<b>Hanks' Balanced Salt Solution (HBSS, without Ca<sup>2+</sup>/Mg<sup>2+</sup>), 500mL</b>
88287	<b>DMEM for Primary Cell Isolation</b>
87790	<b>Subcellular Protein Fractionation Kit for Tissue</b>
78510	<b>T-PER™ Tissue Protein Extraction Reagent</b>

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