

Cardiomyocyte Isolation Enzyme 2 (with thermolysin)

88289

2573.0

| Number | Description |
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| 88289 | Cardiomyocyte Isolation Enzyme 2 (with thermolysin) (20X) Contents: 1 vial, 0.1mL Storage: Upon receipt store product at -20°C. Product is shipped on dry ice packs. |

Description: Cardiomyocyte Isolation Enzyme 2 (with thermolysin) is a tissue-specific dissociation reagent for the isolation of primary cardiomyocytes from neonatal heart tissue from mouse/rat and is a component of the Thermo Scientific™ Pierce™ Primary Cardiomyocyte Isolation Kit (Product No. 88281).

Thermolysin is a thermostable extracellular metalloendopeptidase. When used with Cardiomyocyte Isolation Enzyme 1 (with papain), it improves digestion efficiency and cell yield of primary cardiomyocytes.

Thermolysin Information:

Source: *Bacillus thermoproteolyticus rokko*

Molecular mass: 34.6kDa

Appearance: The enzyme is supplied as a suspension in HBSS. Thaw on ice. Once thawed, ensure that the enzyme is in suspension by pipetting several times before use.

Stability: 1 year at -20°C

Storage: Enzyme performance is not affected for up to two freeze-thaw cycles. Diluted enzyme is not stable and not recommended for long-term storage.

Application: One vial of Cardiomyocyte Isolation Enzyme 2 (with thermolysin) is sufficient for processing 10 mouse/rat neonatal hearts. For a more detailed protocol, please see the instruction booklet for Product No. 88281.

Related Thermo Scientific Products

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| 88281 | Pierce Primary Cardiomyocyte Isolation Kit |
| 88287 | DMEM for Primary Cell Isolation |
| 88288 | Cardiomyocyte Isolation Enzyme 1 (with papain) |
| 88284 | Hanks' Balanced Salt Solution (HBSS, without Ca ²⁺ /Mg ²⁺), 500mL |
| 88290 | Mouse Embryonic Fibroblast Isolation Enzyme (with papain) |
| 87790 | Subcellular Protein Fractionation Kit for Tissue |
| 78510 | T-PER™ Tissue Protein Extraction Reagent |

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