CellPore™ Delivery Media

Intracellular delivery media for use with CellPore™ Transfection System

Catalog #100-2379	CellPore™ Delivery Medium A	5 mL
#100-2224	CellPore™ Delivery Medium B	5 mL

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Product Description

CellPore™ Delivery Media are specifically formulated for optimal transfection efficiency and cell viability during mechanoporation using CellPore™ Transfection System (Catalog #100-0946). CellPore™ Delivery Medium A (Catalog #100-2379) supports the efficient transfection of diverse cargo to a variety of cells, such as human T cells, NK cells, B cells, peripheral blood mononuclear cells (PBMCs), CD34+ hematopoietic stem and progenitor cells (HSPCs), and murine T cells. CellPore™ Delivery Medium B (Catalog #100-2224) is optimized for use with human induced pluripotent stem cells (hiPSCs) and human embryonic stem cells (hESCs).

Properties

Storage:	Store at 2 - 8°C. Do not freeze.
Shelf Life:	Stable until expiry date (EXP) on label.

Directions for Use

Use in combination with CellPore™ Delivery Cartridges. Refer to the Product Information Sheet for CellPore™ Delivery Cartridges (Document #10000034840) for more information.

1. Allow CellPore™ Delivery Medium to warm to room temperature (15 - 25°C) before use.
2. Prepare a single-cell suspension and perform a viable cell count.
3. Centrifuge the required number of cells at 300 x g for 5 - 10 minutes at room temperature. Remove supernatant completely.
4. Gently resuspend the cell pellet in CellPore™ Delivery Medium according to the number of reactions required.

   NOTE: Generally, a total volume of ~50 µL per reaction is recommended unless otherwise stated.
5. Divide the cell suspension into aliquots based on the number of reactions needed. To each aliquot, add the required amount of cargo and/or fluorescent controls (e.g. CellPore™ FITC-Dextran [Catalog #100-1024]).

   NOTE: For best results, the total amount of cargo added should not exceed 10% of the reaction volume. A final cargo concentration of 0.1 mg/mL per reaction represents a good starting point for optimization.
6. Transfer the cell-cargo suspension to a CellPore™ Delivery Cartridge and run the samples using CellPore™ Transfection System.

   NOTE: For complete instructions, refer to the technical manual for CellPore™ Transfection System (Document #10000018433), available at stemcell.com, or contact us to receive a copy.

Related Products

For related products, including CellPore™ Transfection System, CellPore™ Delivery Cartridges, or CellPore™ positive control cargo, visit www.stemcell.com, or contact us at techsupport@stemcell.com.

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