MaxSortin® L-Separation Columns

Product Name

English Name：MaxSortin® L-Separation Columns

Packaging Specifications

Filling Volume/CatalugueNumber：1 piece / MS-CL01

Product Performance

Total Cell Capacity: 10^7 to 2×10^9 cells

Marked Cell Capacity: 10^5 to 10^8 cells (When separating cells larger than lymphocytes, the capacity of the separation column may decrease)

Void Volume: 1.35 ml

Liquid Storage Volume: 7 ml

Flow Rate: For 1x PBS containing 0.5% BSA (Bovine Serum Albumin): 1.2 to 2.1 ml/min

Applicable Range: Suitable for samples with a diameter of less than 30 μm

Sterility: The separation column is individually packaged aseptically

Intended Use

The MaxSortin® L-Type Separation Column is used in conjunction with the MaxSortin® series of cell sorting magnetic beads and cell sorting buffers. It enables gentle sorting of cells bound by magnetic beads.

Instructions for Use

Experimental Procedure:

1.1 Take the MaxSortin® L-Type Separation Column (MS-CL01) and place it on the MACS sorter (130-090-976), and rinse it twice with 1 mL of MaxSortin® cell sorting buffer.

1.2 Add the sample, which is obtained after incubating the MaxSortin® series of cell sorting magnetic beads with the cells, into the L-Type Separation Column. Wait for it to flow out naturally. Then, add the cell sorting buffer twice, with 3 mL added each time. Collect the effluent in a 15 mL tube, and the collected cells are the negative selection cells.

1.3 After all the cell sorting buffer has flowed out, remove the L-Type Separation Column from the MACS sorter and place it over another new 15 mL centrifuge tube (make a mark). Add 3 mL of the cell sorting buffer to the L-Type Separation Column and use the plunger to directly expel the liquid. The collected cells are the positive selection cells.

1.4 Count and perform flow cytometry testing.

Precautions

This product is only applicable to in vitro cell culture and cannot be used directly for clinical treatment.

Storage Conditions

10 to 35°C.

Expiration Date

12 months

Product Use

For research and manufacturing use