

CEDARLANE®

Part of TCP Analytical Group

LYMPHOLYTE® CELL SEPARATION MEDIA



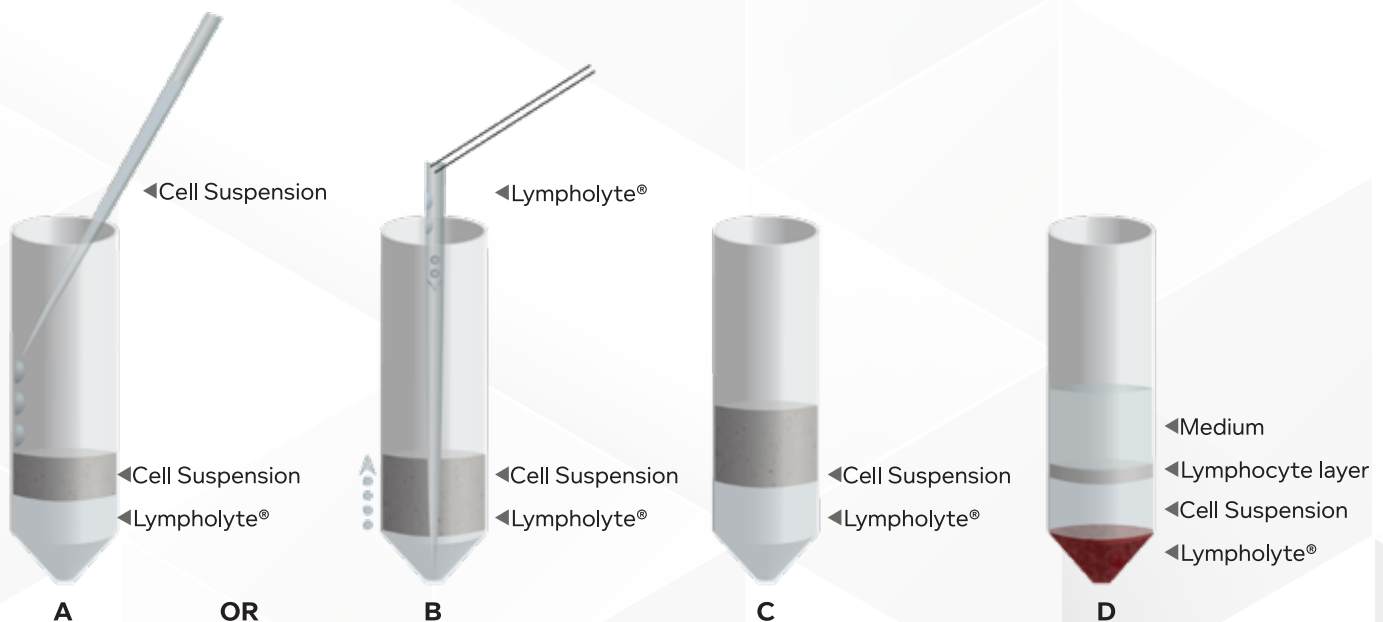
LYMPHOLYTE®

CEDARLANE's Lympholyte® Cell Separation density gradient centrifugation media has been specifically designed for the isolation of viable lymphocytes from mouse, rat, rabbit, human and other mammalian cell populations. The resulting cell population demonstrates a high, nonselective recovery of viable lymphocytes that are suitable for use as target cells in cytotoxicity and FACS assays and in in vivo / in vitro functional studies. All products are supplied in liquid format with varying densities.

Applications for Lympholyte® include:

- Isolation of viable lymphocytes from lymphoid organs by removal of red and dead cells.
- Removal of dead cells and debris:
 - From lymphocyte suspensions after treatment with antibody plus complement or following cell culture.
 - Following sequential cytotoxicity studies eg. B-cell depletion.
 - From various clonal and hybridoma cell lines.
- Removal of erythrocytes, dead cells and debris From various clonal and hybridoma cell lines. (Lympholyte®-M and Lympholyte®-R)
- Isolation of murine nuclear epidermal cells. (Lympholyte®-M)
- Isolation of mononuclear cells from bone marrow preparations. (Lympholyte®-H)

Lympholyte® Cell Separation Procedure



A: Gently layer the cell suspension or whole blood over top of the Lympholyte® making sure not to mix the two layers.

B: Alternatively, slowly add Lympholyte® to a Pasteur pipette allowing gravity to layer it under the whole blood or cell suspension.

C: Centrifuge the tube at room temperature for indicated time at the indicated speed.

D: Carefully remove the cells at the interface using a Pasteur pipette and transfer into a new centrifuge tube for washing.

LYMPHOLYTE® CELL SEPARATION MEDIA

| Product | Density | Size | Main Application | Cat. # |
|--|--------------------------------|----------|--|--------------------|
| Lympholyte®-H Cell Separation Media | 1.0770 ± 0.001 @ 25°C, g/ml | 5x30 mL | Isolation of viable HUMAN lymphocytes from peripheral blood | CL5010 CL5010-R |
| | 1.0770 ± 0.001 @ 25°C, g/ml | 100 mL | Isolation of viable HUMAN lymphocytes from peripheral blood | CL5015 CL5015-R |
| | 1.0770 ± 0.001 @ 25°C, g/ml | 6x100 mL | Isolation of viable HUMAN lymphocytes from peripheral blood | CL5016 CL5016-R |
| | 1.0770 ± 0.001 @ 25°C, g/ml | 500 mL | Isolation of viable HUMAN lymphocytes from peripheral blood | CL5020 CL5020-R |
| | 1.0770 ± 0.001 @ 25°C, g/ml | 6x500 mL | Isolation of viable HUMAN lymphocytes from peripheral blood | CL5026 CL5026-R |
| Lympholyte®-M Cell Separation Media | 1.0875 ± 0.001 @ 25°C, g/ml | 5x30 mL | Isolation of viable MOUSE lymphocytes from lymphoid tissue | CL5030 |
| | 1.0875 ± 0.001 @ 25°C, g/ml | 100 mL | Isolation of viable MOUSE lymphocytes from lymphoid tissue | CL5031 |
| | 1.0875 ± 0.001 @ 25°C, g/ml | 500 mL | Isolation of viable MOUSE lymphocytes from lymphoid tissue | CL5035 |
| Lympholyte®-Mammal Cell Separation Media <i>For species tested please contact tech@cedarlanelabs.com</i> | 1.0860 ± 0.001 @ 25°C, g/ml | 5x30 mL | Isolation of viable lymphocytes from peripheral blood of most mammalian species | CL5110 |
| | 1.0860 ± 0.001 @ 25°C, g/ml | 100 mL | Isolation of viable lymphocytes from peripheral blood of most mammalian species | CL5151 |
| | 1.0860 ± 0.001 @ 25°C, g/ml | 500 mL | Isolation of viable lymphocytes from peripheral blood of most mammalian species | CL5120 |
| Lympholyte®-Rabbit Cell Separation Media | 1.0965 ± 0.001 @ 25°C, g/ml | 5x30 mL | Isolation of viable RABBIT lymphocytes from lymphoid tissue | CL5050 |
| Lympholyte®-R Cell Separation Media | 1.0940 ± 0.001 @ 25°C, g/ml | 5x30 mL | Isolation of viable RAT lymphocytes from lymphoid tissue | CL5040 |
| | 1.0940 ± 0.001 @ 25°C, g/ml | 100 mL | Isolation of viable RAT lymphocytes from lymphoid tissue | CL5041 |
| | 1.0940 ± 0.001 @ 25°C, g/ml | 500 mL | Isolation of viable RAT lymphocytes from lymphoid tissue | CL5045 |
| Lympholyte®-poly Cell Separation Media | 1.113 ± 0.001 @ 25°C, g/ml | 100 mL | Isolation of viable HUMAN polymorphonuclear cells | CL5070 |
| | 1.113 ± 0.001 @ 25°C, g/ml | 250 mL | Isolation of viable HUMAN polymorphonuclear cells | CL5071 |
| Lympholyte®-1.1 | 1.100 ± 0.001 @ 25°C, g/ml | 500 mL | A high density Lympholyte® solution which can be diluted with PBS (withough Ca ²⁺ /Mg ²⁺). Isolation of pancreatic islet cells prior to expanding them in vitro | CL6255 |

FOR MORE INFORMATION
VISIT OUR WEBSITE

WWW.CEDARLANELABS.COM/LYMPHOLYTE

LYMPHOLYTE® CELL SEPARATION MEDIA REFERENCES

Lympholyte®-M

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