LYMPHOLYTE® CELL SEPARATION MEDIA FROM CEDARLANE



# Lympholyte<sup>®</sup> Cell Separation Media





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## Lympholyte<sup>®</sup>

Lympholyte®

CEDARLANE's Lympholyte<sup>®</sup> 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 as sterile liquid 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 treatement 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. (Lympholye®-M)
- Isolation of mononuclear cells from bone marrow preparations. (Lympholye®-H)

#### Lympholyte<sup>®</sup> Cell Separation Procedure



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

- 3. Alternatively, slowly add Lympholyte<sup>®</sup> 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<sup>®</sup> Cell Separation Media

Product	Density	Size	Main Application	Cat. #
Lympholyte®-H Cell Separation Media	1.0770 ± 0.001 @ 25℃, g/ml	5x30 mL	Isolation of viable <b>HUMAN</b> lymphocytes from peripheral blood	CL5010
CE	1.0770 ± 0.001 @ 25°C, g/ml	100 mL	Isolation of viable <b>HUMAN</b> lymphocytes from peripheral blood	CL5015
	1.0770 ± 0.001 @ 25℃, g/ml	6x100 mL	Isolation of viable <b>HUMAN</b> lymphocytes from peripheral blood	CL5016
	1.0770 ± 0.001 @ 25°C, g/ml	500 mL	Isolation of viable <b>HUMAN</b> lymphocytes from peripheral blood	CL5020
	1.0770 ± 0.001 @ 25°C, g/ml	6x500 mL	Isolation of viable <b>HUMAN</b> lymphocytes from peripheral blood	CL5026
Lympholyte®-M Cell Separation Media	1.0875 ± 0.001 @ 25℃, g/ml	5x30 mL	Isolation of viable <b>MOUSE</b> lymphocytes from lymphoid tissue	CL5030
	1.0875 ± 0.001 @ 25°C, g/ml	100 mL	Isolation of viable <b>MOUSE</b> lymphocytes from lymphoid tissue	CL5031
	1.0875 ± 0.001 @ 25℃, g/ml	500 mL	Isolation of viable <b>MOUSE</b> lymphocytes from lymphoid tissue	CL5035
Lympholyte <sup>®</sup> -Mammal Cell Separation Media	1.0860 ± 0.001 @ 25°C, g/ml	5x30 mL	Isolation of viable lymphocytes from peripheral blood of most <b>mammalian</b> species	CL5110
For species tested please contact tech@cedarlanelabs.com	1.0860 ± 0.001 @ 25°C, g/ml	100 mL	Isolation of viable lymphocytes from peripheral blood of most <b>mammalian</b> species	CL5115
	1.0860 ± 0.001 @ 25°C, g/ml	500 mL	Isolation of viable lymphocytes from peripheral blood of most <b>mammalian</b> species	CL5120
Lympholyte®-Rabbit Cell Separation Media	1.0965 ± 0.001 @ 25°C, g/ml	5x30 mL	Isolation of viable <b>RABBIT</b> lymphocytes from lymphoid tissue	CL5050
Lympholyte <sup>®</sup> -R Cell Separation Media	1.0940 ± 0.001 @ 25°C, g/ml	5x30 mL	Isolation of viable <b>RAT</b> lymphocytes from lymphoid tissue	CL5040
	1.0940 ± 0.001 @ 25°C, g/ml	100 mL	Isolation of viable <b>RAT</b> lymphocytes from lymphoid tissue	CL5041
	1.0940 ± 0.001 @ 25°C, g/ml	500 mL	Isolation of viable <b>RAT</b> lymphocytes from lymphoid tissue	CL5045
Lympholyte <sup>®</sup> -poly Cell Separation Media	1.113 ± 0.001 @ 25°C, g/ml	100 mL	Isolation of viable <b>HUMAN</b> polymorphonuclear cells	CL5070
	1.113 ± 0.001 @ 25°C, g/ml	250 mL	Isolation of viable <b>HUMAN</b> polymorphonuclear cells	CL5071
Lympholyte®-1.1	1.100 ± 0.001 @ 25℃, g/ml	500 mL	A high density Lympholyte® solution which can be diluted with PBS (withough Ca <sup>2+</sup> /Mg <sup>2+</sup> ). Isolation of pancreatic islet cells prior to expanding them in vitro	CL5095

## Lympholyte<sup>®</sup> Cell Separation Media References

#### Lympholyte<sup>®</sup>-M

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#### Lympholyte<sup>®</sup>-Poly

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#### Lympholyte®-1.1

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