

Technically  
Speaking

**CEDARLANE**<sup>®</sup>   
[www.cedarlanelabs.com](http://www.cedarlanelabs.com)

Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow<sup>™</sup>

## Lympholyte<sup>®</sup>-1.1

**CL5095**

**DESCRIPTION:**

Lympholyte<sup>®</sup>-1.1 is a density separation medium specifically designed for the isolation of islet from the pancreas.

**APPLICATIONS:**

Lympholyte<sup>®</sup>-1.1 can be used undiluted to eliminate non-islet tissue such as exocrine fragments, lymph nodes, ganglia, ductal and vascular tissue from pancreatic cell suspension. The resulting cell population consists mainly of islet cells that may be expanded for use *in vivo*.

**PRESENTATION:** 500 ml sterile liquid.

**STORAGE/STABILITY:** Store at +2 to +28°C. **Always store protected from light.**

**SPECIFICATIONS:**

**Composition:** Ficoll 400 MW: 400 000 130 g/l  
Amidotrizoic acid (ATA) MW: 613.93 92.5 g/l  
NaOH to convert ATA into its salt form

**Density:** 1.100 ± 0.001 g/ml @ 25°C.

**pH:** 6.6

**Osmolality:** 0.341 Osmol/kg

**REFERENCES:**

1. The evaluation of neutral density separation utilizing Ficoll-Sodium Diatrizoate and Nycodenz and Centrifugal Elutriation in the purification of bovine and canine islet preparations. B.J. Hering *et al.* Giessen, Germany In: Methods in Islet Transplantation Research. In ternational Workshop, Bad Nauheim, June 1989. Eds. Pfeiffer, Reaven, Hetzel and Hoffman. Georg Thieme Verlag Stuttgart, New York 1990. S.57
2. Swine Islet Purification: A Comparison of EuroFicoll versus Seromed-Ficoll Gradients. S. Braghi *et al.* Milan, Italy. 4<sup>th</sup> International Symposium on Transplantation of Endocrine Pancreas. Belgrade, Yugoslavia, October 25-27, 1990. Abstract.
3. Adjustment of the osmolality improves density gradient separation of canine islets of Langerhans. Hering *et al.* Giessen, Germany. Artificial Insulin Delivery Systems. Pancreas and Islet Transplantation (AIDSPIT). Study group of the European Association for the Study of Diabetes. Igl's (Austria), January 26-28, 1992. P.No.:23

**LABORATORY REAGENT**

LYMPHOLYTE<sup>®</sup> is a registered trademark of Cedarlane Laboratories Ltd., Burlington, Canada.

JV 11/13/01

Visit our website for your local distributor.

**CEDARLANE**<sup>®</sup> 

[www.cedarlanelabs.com](http://www.cedarlanelabs.com)

An ISO 9001:2000 and ISO 13485:2003  
registered company.

In CANADA: **Toll Free: 1-800-268-5058**

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020  
e-mail: [general@cedarlanelabs.com](mailto:general@cedarlanelabs.com)

In the USA: **Toll Free: 1-800-721-1644**

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138  
e-mail: [service@cedarlanelabs.com](mailto:service@cedarlanelabs.com)