

Technically
Speaking

CEDARLANE[®]
www.cedarlanelabs.com



Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

Lympholyte[®]-1.1

CL6255

DESCRIPTION:

Lympholyte[®]-1.1 is a density separation medium specifically designed for the isolation of islet from the pancreas.

APPLICATIONS:

Lympholyte[®]-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 liquid, 0.22 µm filtered.

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

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: 6.20 – 7.40

Endotoxin: < 1 EU/ml

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. 4th 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

For Research Use Only

LYMPHOLYTE[®] is a registered trademark of Cedarlane Corporation, Burlington, Canada.

JK 03/21

Visit our website for your local distributor.

CEDARLANE[®]



www.cedarlanelabs.com

An ISO 9001:2015 and ISO 13485:2016
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

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