

BEOTECH SUPPORT GROUP

Cleanascite[™] LX For Lipemic Serum/Plasma Clarification

- Effectively replaces chlorinated/fluorinated hydrocarbons (eg. freon)
- Based on solid-phase referenced in over 70 publications in varied applications
- Under investigation as alternative to LipoClear for lipemic serum/plasma

Protocol

Cleanascite™ LX is supplied as an aqueous suspension of non-ionic adsorbent in DI water, pH 8.0. After centrifugation, the pellet is 1/2 of the total volume and the supernatant is 1/2 of the total volume.

Fuman Lipemic Serum	Add Cleanascite™ LX Shake for 20mins	(cro-centrifuge @8,000RPM 0xg) for 10 mins	
Lip	id depleted supernatant			
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At 1 volume Cleanascite™ LX to 1 volume serum (1:1 v:v ratio) 85-95 % turbidity removed (based on OD600)	At 1 volume Cleanascite™ LX to 2 volumes serum (1:2 v:v ratio) 60-70 % turbidity removed (based on OD600)		At 1 volume eanascite™ LX to volumes serum (1:3 v:v ratio) 30-40 % turbidit moved (based o OD600)	y

Volume Ratio, Cleanascite⊟ LX : Sample	Dilution Factor
1:1	1.50
1:2	1.25
1:3	1.17

Lipid concentration can vary greatly, so the ratios shown are only intended to provide general guidance.

- Resuspend Cleanascite[™] LX by gentle shaking. Excessive shaking may cause foaming. It should be completely resuspended prior to use.
- Add Cleanascite[™] LX to the sample at minimum 1:3 (or alternative higher) ratio. Mix the sample by gentle shaking for 20 minutes.
- 3. Micro-centrifuge sample at 8,000 rpm's (5,000xg) for 10 minutes.
- 4. Carefully aspirate supernatant for analysis.

Optimization. Different sample volumes are easily scaled. Volume ratio can be adjusted up or down as required to remove the amount of impurities present.

Cleanascite LX Item #	Size	Price
LX155-5	5 ml	\$275
LX155-10	10 ml	\$380

For Research Use Only. Not for use in diagnostic procedures.