



## **CataKlear™** - Lipid Clearing Agent – Catalog number CLR-525

CataKlear is a colloidal nanoparticle suspension of silicone dioxide, various surfactants and buffering components.

Lipid components in serum are released through the activity of the surfactants and attach to the silicone dioxide particles. On centrifugation these lipids are forced to the bottom of the centrifuge tube leaving a lipid free layer of serum.

To use :-

Add, to each empty micro centrifuge tube, 50  $\mu$ L of CataKlear concentrate from the bottle. Re-cap bottle immediately.

Then add 1 mL (less if necessary but at least 500  $\mu$ L) of lipid containing serum. (i.e. visibly turbid samples.)

Results after clinical analysis should be multiplied by 1.1 to account for sample dilution, or adjusted, if necessary, if a lesser volume of serum is used.

### **Instruction Summary:**

1. Open bottle of CataKlear, take out 50  $\mu$ L of product and pipette this into 1 micro-centrifuge tube. Recap bottle immediately.
2. Add 1 mL (or less) of Lipid containing serum to the micro-centrifuge tube.
3. Mix and let stand for 10 minutes at Room Temperature.
4. Centrifuge at 1,500 x g for 15 minutes.
5. Collect serum from upper layer.
6. Analyze serum.

NOTE:- Once bottle is initially opened, discard after 60 days. CataKlear, in small volumes, will gel when over-exposed to air.

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