Technical data:

Molecular Weight

1,300,000 Daltons

Viscosity

40,000 cps

pH

7.2 ± 0.4

Osmolarity

314 ± 10 mOsM

Composition by weight:

Sodium Hyaluronate
1.8 %

Sodium Chloride
0.59 %

Potassium Chloride
0.075%

Calcium Chloride
0.048%

Magnesium Chloride

0.03 %

Sodium Acetate

0.39 %

Sodium Citrate

0.17 %

LA GEL is a high viscosity ophthalmic surgical solution. It combines the advantages of hyaluronic acid based materials with the advantages of regular HPMC based viscoelastics:

High viscosity: Creates solid surgical space Stays in the eye during capsule opening Easily manipulates tissues

Adhesion: Coats critical tissues during the operation Protects endothelial cells Lubricates implant, instruments, tissues

LA GEL is isotonic , non pyrogenic and noninflamatory. LA GEL has excellent flow characteristics.

LA GEL is a second generation viscoelastic, developed for improved performance.

LA GEL 's proprietary polymer uses extremely long molecules. This allows it to be a magnitude more viscous while reducing the amount of HPMC introduced into the eye. LA GEL is as easy to remove from the eye as any other HPMC based viscoelastic.

LA GEL can also be used externally during retinal surgery to optically couple contact lenses to the cornea in the sterile field.

LA GEL provides excellent lubrication between injectors and foldable IOLs - it might be the best available material for this purpose.