References


Failure of ocular surface epithelia occurs in many clinical conditions. The core of medical management is to stabilise or promote new growth of healthy conjunctival and corneal epithelia.

**Product Benefits**

**Umbilical Cord Blood Serum:**
- Has been shown to be effective in the treatment of ocular surface disorders;² ³
- Contains many growth factors needed for epithelial renewal, as well as important tear components;²
- Possesses a bacteriostatic effect due to antibacterial agents such as IgG, lysozymes and complement found in the serum;²
- Does not contain any preservatives and therefore preservative toxicity can be avoided;
- Is collected in large volumes during delivery, and prepared in advance, therefore reducing waiting time;
- Confers NO immunogenicity and is particularly useful in patients with auto-immune diseases and those with poor general health;
- Found to be more effective than autologous serum eye drops in healing epithelial defects, due to 2-3 times higher levels of growth factors in umbilical cord serum;⁴ ⁵

**Indications**

The efficacy of Umbilical Cord Blood Serum has been demonstrated in the following conditions:
- Severe Dry eye with or without primary Sjögren’s syndrome²
- Ocular Graft-Versus-Host-Disease (GVHD)²
- Persistent Epithelial Defects²
- Recurrent corneal erosions³
- Chemical burns³
- Neurotrophic keratitis³
- Post LASEK surgery³
- Post Corneal Transplant

Any condition that may cause delayed epithelial healing of the eye or dysfunctional tear film.

**Dosage and Application Guideline**

**Chronic Treatment**
- For the treatment of dry eyes, 1 drop in each eye QDS or as recommended by your doctor.

**Acute Treatment**
- 1 drop in the affected eye or eyes QDS or as recommended by your doctor.
- Treatment duration +/- 4 to 6 weeks or as prescribed by ophthalmologist.
- Drops should be discarded after 7 days of use.

**Product and Storage Information**

OptiSerum [cb]™ is packaged in 5ml eye dropper bottles. Each bottle contains 4.5ml cord blood serum (20% dilution with BSS).

OptiSerum [cb]™ can be kept up to one year in a home freezer (-20°C). Once thawed and in use the eye drops must be kept refrigerated at 4°C for a maximum of 7 days.

**Source of cord blood serum**

OptiSerum [cb]™ eye drops are prepared from the umbilical cord blood collected from donors during the birthing process. All donors are sourced and counselled through the Netcare Transplant Unit.

All donors sign an informed consent and are screened for the following transmissible diseases: HIV, hepatitis B & C, HTLV, Syphilis and CMV.

All samples are tested for bacterial and fungal contamination to ensure sterility of the product.

**How to order:**

Email: orders@netcells.co.za
Telephone: 011 697 2900