~~Claims~~

CLAIMS

~~1.~~ 1. A composition comprising:

a) 0.0010% w/v to 0.0050% w/v of polyquaternium-42 having a ~~weight average~~ molecular weight of from 250 to 12,000 Daltons;
b) 0.06% w/v to 1.0% w/v of a borate ~~compound;~~, wherein the term “borate” means boric acid, salts of boric acid and other pharmaceutically acceptable borates, or combinations thereof;
c) 0.4% w/v to 1.5% w/v of a polyol or ~~mixture~~combination of polyols~~;~~, wherein the term polyol refers to any compound having at least two -OH groups; and
d) an antimicrobial mixture comprising one or more nutrients, wherein the total nutrient concentration in the composition of the present invention comprises:
    i. a lactate concentration of from 2.0 mMol/L to 3.0 mMol/L of the total composition;
    ii. a citrate concentration of from 0.025 mMol/L to 0.050 mMol/L of the total composition;
    iii. a phosphate concentration of from 1.5 mMol/L to 2.5 mMol/L of the total composition; and
    iv. a glucose concentration of from 0.1 mMol/L to 0.4 mMol/L of the total composition~~; and~~.
~~e) water.~~

~~2.~~ 2. The composition of claim 1 wherein the antimicrobial mixture further comprises one or more electrolytes, optionally wherein the total electrolyte concentration in the total composition comprises:

i. a potassium concentration of from about 24 mMol/L to about 28 mMol/L of the total composition;
ii. a sodium concentration of from about 5 mMol/L to about 10 mMol/L of the total composition;
iii. a magnesium concentration of from about 0.50 mMol/L to about 0.80 mMol/L of the total composition; and
iv. a chloride concentration of from about 23 mMol/L to about 28 mMol/L of the total composition.

~~3.~~ 3. The composition of any preceding claim wherein the antimicrobial mixture further ~~bbbbbbcomprises~~comprises ascorbic acid at a concentration not exceeding 0.001 % w/v, optionally at from about 0.00002% w/v to about 0.0001% w/v, or optionally from about 0.00001% w/v to about 0.00002% w/v, of the total composition.

~~4.~~ 4. The composition of any preceding claim wherein the antimicrobial mixture further comprises glycine at a concentration not exceeding 0.0010 % w/v, optionally at from about 0.00001% w/v to about 0.0002% w/v, or optionally from about 0.00002% w/v to about 0.0001% w/v, of the total composition.

~~5.~~ 5. The composition of any preceding claim wherein the polyol is selected from the group consisting of sugars, sugar alcohols, sugar acids, uronic acids and mixtures thereof; optionally wherein the polyol is selected from the group consisting of sugars, sugar alcohols and sugar acids; optionally wherein the polyol is selected from polysorbate 80, mannitol, sorbitol, propylene glycol, polyethylene glycol, glycerin or mixtures thereof.

~~6.~~ 6. The composition of any preceding claim wherein the borate is selected from the group consisting of sodium borate, potassium borate, calcium borate, magnesium borate, manganese borate; and mixtures thereof.

~~7.~~ 7. The composition of any preceding claim further comprising tetrahydrozoline or a pharmaceutically acceptable salt thereof.

~~8.~~ 8. The composition of any preceding claim, wherein the composition is free of, or substantially free of zinc ions.

~~9.~~ 9. The composition of any preceding claim for use in a method of treating or preventing dry eye.

~~10.~~ 10. The composition of any preceding claim for use in a method of treating or preventing eye allergy.

11. The composition of any preceding claim ~~Use of thein the manufacture of a medicament~~ for ~~treating or preventing dry eye, wherein the medicament is to be applied~~ use in a method of ~~Use ofin the manufacture of a medicament for~~ treating or preventing minor eye ~~irritation, wherein the medicament is to be applied Use ofin the manufacture of a medicament for treating or preventing eye allergy, wherein the medicament is to be applied~~ irritations.

~~11.~~