

**OXYBUPROCAINE HYDRCHLORIDE EYE DROPS**

<b>Trade Name</b>	Oxybuprocaine Minims® 0.4% w/v (Bausch & Lomb)
<b>Class</b>	Amino Ester Topical ocular anaesthetic
<b>Mechanism of Action</b>	Binds to sodium channels in the ocular nerve and prevents depolarisation of the neuronal membrane by inhibiting movement of sodium ions. This facilitates anaesthesia of the cornea of the eye by blocking initiation and conduction of nerve impulses.
<b>Indications</b>	Pre-med of the eye prior to examination of the eye(s) for retinopathy of prematurity
<b>Contraindications</b>	Previous history of hypersensitivity / allergic eye reactions to oxybuprocaine.
<b>Supplied As</b>	Clear, colourless, preservative free, single use eye drop 0.5 mL /minim
<b>Dilution</b>	Not usually required
<b>Dosage</b>	Place ONE drop into each eye 1- 5 minutes before examination
<b>Guardrails</b>	N/A
<b>Interval</b>	ONCE only per examination
<b>Administration</b>	Topical, gently squeeze the minim to place ONE drop in each eye. Gently place a gloved finger over the tear duct during administration and for 60 seconds afterward to optimise local effect and minimise systemic absorption.
<b>Compatible With</b>	DO NOT mix with any other medication
<b>Incompatible With</b>	DO NOT mix with any other medication
<b>Interactions</b>	N/A
<b>Monitoring</b>	
<b>Stability</b>	Unopened Minims -Manufacture's expiry Single use only, discard immediately after use.
<b>Storage</b>	Store in the refrigerator at 2-8 °C, Protect from light.
<b>Adverse Reactions</b>	Initial transient stinging and blurring of vision after administration. Rare; eye allergy, allergic blepharitis, anaphylaxis
<b>Metabolism</b>	Anaesthetic effect lasts 20 – 30 minutes Metabolised by cholinesterase's in plasma and the liver

<b>Comments</b>	Excipients in the solution are hydrochloric acid (buffering agent) & Purified water Oxybuprocaine is also known as benoxinate
<b>References</b>	1. <a href="http://www.nzf.org">www.nzf.org</a> 2. <a href="http://www.anmfonline.org">www.anmfonline.org</a> 3. <a href="http://Data Sheet (medsafe.govt.nz)">Data Sheet (medsafe.govt.nz)</a>
<b>Updated By</b>	A Lynn, B Robertshawe, C Muir June 2024