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MKT-246 rev. 0 bis

KERASAVE



The complete antifungal protection

ALCHIMIA

KERASAVE

The first corneal storage media with proven antifungal effect at 4°C

What is KERASAVE presentation?
KERASAVE solution (12/20 ml vial) and sealed amphotericin B tablets (12).

What does KERASAVE contain?
KERASAVE contains: dextran, sodium pyruvate, glucose, amino acids, mineral salts, vitamins, gentamicin (100 µg/ml), streptomycin (200 µg/ml), amphotericin B (2.5 µg/ml), nicotinamide, Hepes, bicarbonate, phenol red.

Why Amphotericin B?
The latest data by EBAA report increased fungal contamination rates, thus antifungal coverage is required to ensure safety of the tissue.

Why the tablet?
The tablet is a necessary tool to ensure effective controlled and stable antifungal activity during corneal storage up to 14 days and a shelf-life of 2 years.

Why Amphotericin B is not in the media?
We observed that the antifungal agent progressively loses effectiveness in any solution.

How is KERASAVE used?
Each tablet shall be completely dissolved in the vial before inserting the cornea in the media.

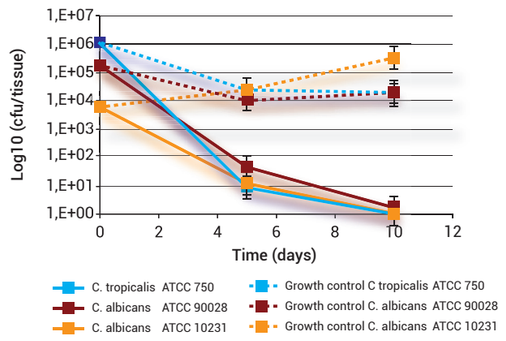
How long does the antifungal activity of KERASAVE last?
From the dissolution of the tablet up to 14 days at 4°C.

Why this concentration?
Amphotericin B (2.5 µg/ml) allows an effective antifungal decontamination of the cornea at 4°C thus ensuring the quality of the tissue.

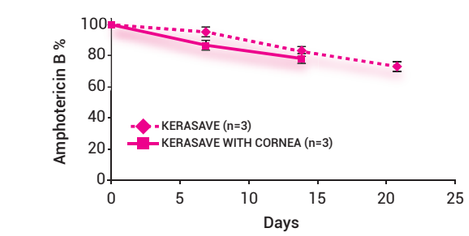


Our lab tests demonstrate quality and safety of KERASAVE

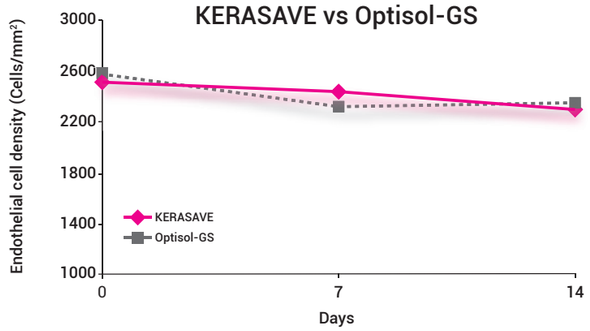
Time-kill study on corneas contaminated with
C. tropicalis (ATCC 750)
C. albicans (ATCC 10231)
C. albicans (ATCC 90028)



Stability of Amphotericin B in KERASAVE at 4°C



KERASAVE vs Optisol-GS



ECD (cell/mm²), by Specular microscopy, Konan	KERASAVE (n=16)	Optisol-GS (n=16)	Wilcoxon Signed-Rank Test for Paired Samples
T0	2521 ± 82	2578 ± 96	P=0.4668
7 days	2437 ± 58	2213 ± 145	P=0.0794
14 days	2332 ± 98	2332 ± 128	P=0.9994

- *The **only** corneal storage media containing an **antifungal agent***
- ***Antifungal** and **antimicrobial protection** for up to 14 days at 4°C*
- ***Safer** cornea pre-cut tissues*
- ***Increased safety** for the patient*



CE MARK 0546