



# LABORATOIRES SÉROBIOLOGIQUES

Division de Cognis France

# ELESTAB® FL 15

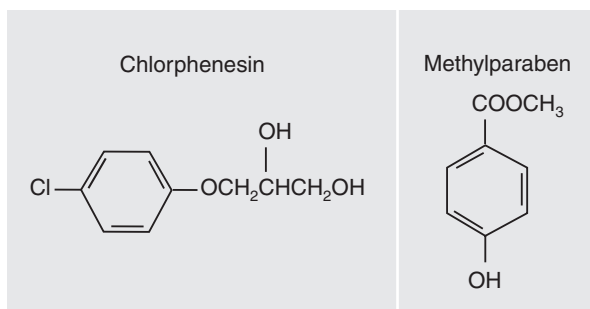
POLYVALENT PRESERVATIVE SYSTEM

## DEFINITION / COMPOSITION

ELESTAB® FL 15 is a liquid ready-to-use hydrosoluble preservative system designed for microbiological stabilization of cosmetic preparations.

### Components:

ELESTAB® FL 15 is a mixture of **chlorphenesin** and **methylparaben** in butylene glycol and glycerin.



## ANTIMICROBIAL PROPERTIES

Strains	ELESTAB® FL 15 Concentration (µg/ml)	
	MIC (*)	MMC (**)
<b>Bacteria</b>		
<i>Staphylococcus aureus</i> NCTC 10788	12,500	50,000
<i>Staphylococcus epidermidis</i> NCIMB 8853	12,500	50,000
<i>Lactobacillus brevis</i> NCIMB 11973	12,500	12,500
<i>Lactococcus lactis</i> NCIMB 6681	12,500	12,500
<i>Corynebacterium xerosis</i> NCTC 8481	12,500	12,500
<i>Escherichia coli</i> NCIMB 8545	12,500	25,000
<i>Enterobacter cloacae</i> NCIMB 10101	12,500	25,000
<i>Klebsiella aerogenes</i> NCTC 7427	6,250	25,000
<i>Klebsiella pneumoniae</i> NCIMB 10341	12,500	12,500
<i>Proteus vulgaris</i> NCIMB 4175	6,250	25,000
<i>Pseudomonas aeruginosa</i> NCIMB 8626	25,000	> 25,000
<i>Pseudomonas putida (fluorescens)</i> ATCC 12842	25,000	25,000
<i>Salmonella typhimurium</i> NCIMB 10258	12,500	12,500
<i>Serratia marcescens</i> NCIMB 11851	12,500	50,000
<b>Fungi</b>		
<i>Aspergillus niger</i> IMI 149007	6,250	25,000
<i>Penicillium pinophilum</i> ATCC 9644	3,130	6,250
<b>Yeasts</b>		
<i>Candida albicans</i> NCPF 3179	12,500	25,000
<i>Saccharomyces cerevisiae</i> NCPF 3178	12,500	25,000

(\*) MIC = Minimum Inhibitory Concentration  
(\*\*) MMC = Minimum Microbicidal Concentration

## COSMETIC USE

ELESTAB® FL 15 is suitable for cosmetic products such as:

- emulsions: lotions, creams...
  - hydrogels,
  - rinse-off products: shampoos, bath and shower formulations,
- for the care of face, body and hair.

## DOSAGE / SOLUBILITY / MODE OF INCORPORATION

**1. Dose of use:** 1 to 4%.

The relevant antimicrobial protection of the cosmetic product has to be checked by a challenge test.

**2. Solubility:** ELESTAB® FL 15 is soluble in water and ethanol, insoluble in oils and fats.

**3. Mode of incorporation:** ELESTAB® FL 15 is introduced, at room temperature, during the finishing process of the cosmetic formulation.

In the case of emulsions, ELESTAB® FL 15 may be added to the water phase of the formula before emulsification.

## COMPATIBILITY / INCOMPATIBILITY

The suitable pH is between 3 and 9.

## ANALYTICAL CHARACTERISTICS

- 1. Aspect:** colorless to pale yellow liquid with a weak odor.
- 2. Specifications:** upon request.

## TOLERANCE

Good.

## STORAGE

In its original packaging, at 15 - 25°C.

## REGULATORY STATUS

Approved: USA, EC, Japan, Australia, Canada.

## INCI NAME

Butylene Glycol (and) Glycerin (and) Chlorphenesin (and) Methylparaben.

## MANUFACTURER / SUPPLIER

Laboratoires Sérobiologiques, division de Cognis France.