



LABORATOIRES SÉROBIOLOGIQUES

Division de Cognis France

ELESTAB® 50 J

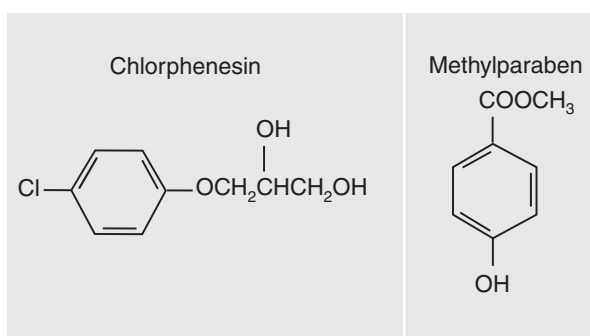
POLYVALENT PRESERVATIVE SYSTEM

DEFINITION / COMPOSITION

ELESTAB® 50 J is a hydrosoluble preservative system designed for microbiological stabilization of cosmetic preparations.

Components:

ELESTAB® 50 J is a mixture of:
chlorphenesin and **methylparaben**.



ANTIMICROBIAL PROPERTIES

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

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

COSMETIC USE

ELESTAB® 50 J is a polyvalent preservative system suitable for microbiological stabilization of various cosmetic products:

- emulsions (creams, lotions),
- hydrogels,
- aqueous / alcoholic tonics,
- rinse-off preparations.

DOSAGE / SOLUBILITY / MODE OF INCORPORATION

1. Dose of use: 0.35 to 0.50%.

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

2. Solubility: ELESTAB® 50 J is soluble in water (50°C) and in ethanol, and insoluble in oils and fats.

3. Mode of incorporation:

Emulsions - gels:

Dissolve ELESTAB® 50 J under stirring into the water phase of the formula, previously heated to 50°C.

Tonics:

For the formulation of hydroalcoholic products, ELESTAB® 50 J may be added at room temperature.

COMPATIBILITY / INCOMPATIBILITY

No major incompatibility with cosmetic raw materials has been observed.

The suitable pH is between 3 and 9.

ANALYTICAL CHARACTERISTICS

- 1. Aspect:** white powder with a characteristic 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

Chlorphenesin (and) Methylparaben.

MANUFACTURER / SUPPLIER

Laboratoires Sérobiologiques, division de Cognis France.