

PLURIGIN

GYNECOLOGICAL
SOLUTION

INNOVATION
THERAPEUTIC EFFICACY
COMPLIANCE
AT THE SERVICE
OF WOMAN



2 APPLICATIONS
in 7 DAYS
with 250 ml



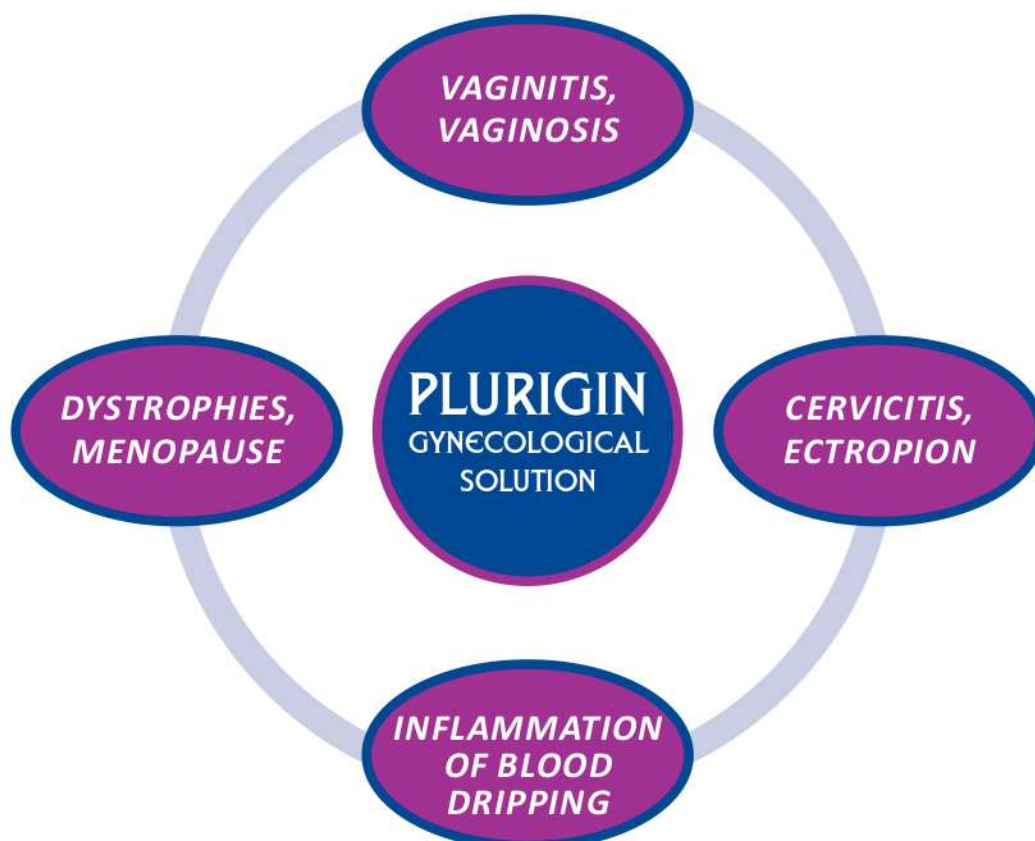
PLURIGIN GYNECOLOGICAL SOLUTION

is a selective therapeutic environment vaginal garrison, with a dual activity, acts only on pathogenic microorganisms removing secretions effectively, because PLURIGIN gynecological solution contains a sufficient and necessary amount to perform mechanical and therapeutic action only with two weekly applications 250ml

PLURIGIN GYNECOLOGICAL SOLUTION unique treatment of various vaginal infections

SYMPTOMS:

ITCHING, BURNING, REDNESS, VAGINAL DISCHARGE, DRYNESS, SEEPAGE BLEEDING, DYSPAREUNIA



PLURIGIN GYNECOLOGICAL SOLUTION

It is a rational therapeutic process

PLURIGIN GYNECOLOGICAL SOLUTION

POLYHEXAMETHYLENE BIGUANIDE (PHMB) (Polymer of chlorhexidine) antimicrobial action on bacteria, fungi and yeasts not altering the bacterial flora

THYMOL (wild thyme)
antiprotozoal and antifungal activity

EQUISETUM arvense
hemostatic action because rich in silica

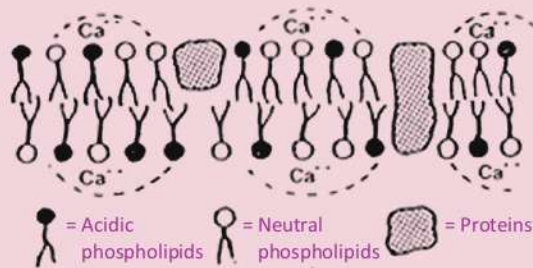
E.D.T.A. disodium
synergy with PHMB enhances the antimicrobial reducing M.I.C.

MALALEUCA alternifolia
antiprotozoal and antifungal activity

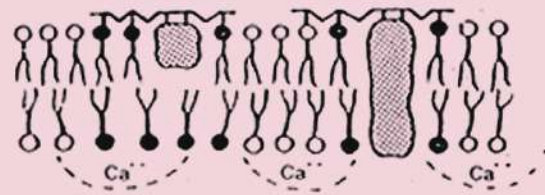
CALENDULA officinalis
anti-inflammatory and soothing activity



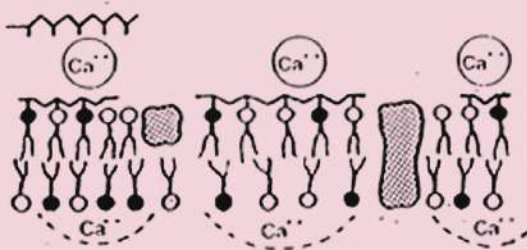
the PHMB-PG complexes are formed by electrostatic attraction between the positive charges of the groups of biguanide and the negative charges of the PG molecules



A) bacterial cytoplasmic membrane stabilized by Ca^{2+}



C) the polyhexanide induces a phase separation of the phospholipids that has repercussions on the integral membrane protein, due to an increase in the permeability, a stream of K^+ ions and a loss of the enzymatic functions



B) the polyhexanide has the cation surface and binds to fosfolipid



D) the stabilized areas take on a hexagonal shape

**PHMB + E.D.T.A. = SYNERGY ACTION
REDUCES THE M.I.C.**

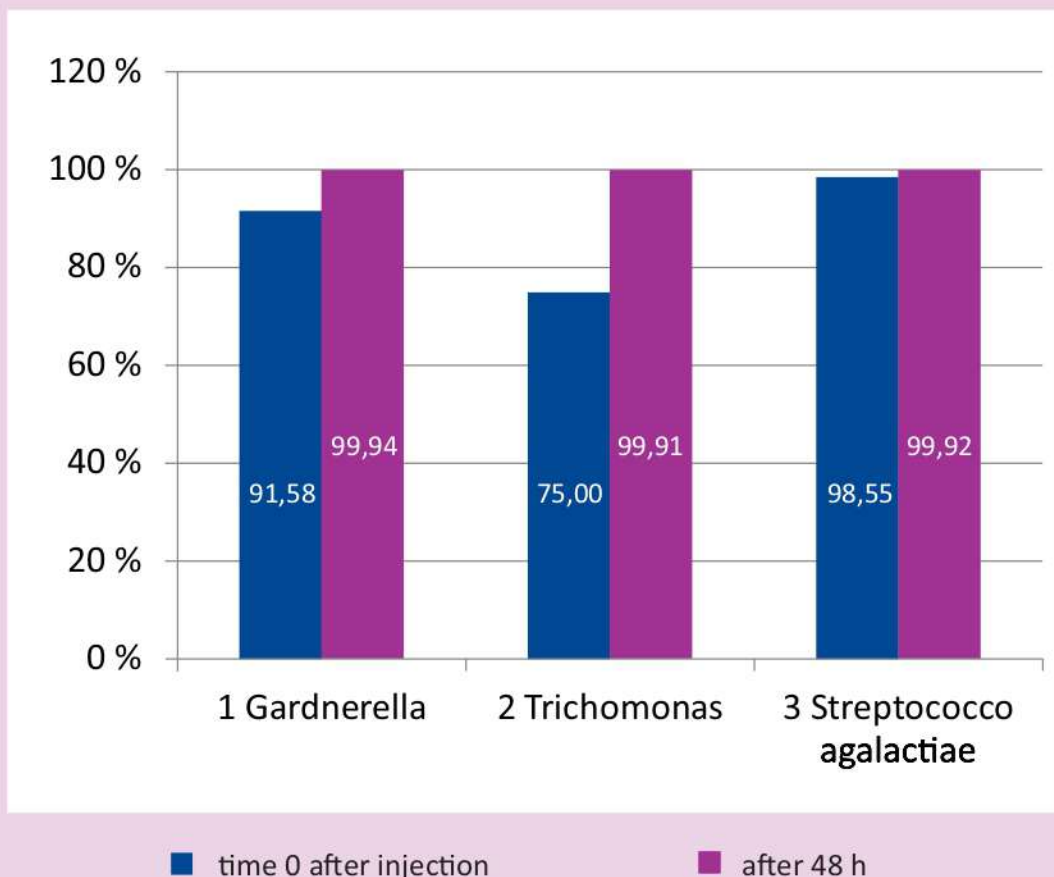
INCREASING THE EFFECTIVENESS AND TOLERABILITY

study carried out by da EUROFINS - Milano

COUNTING OF LIVING MICROORGANISMS (ufc/g o ufc/ml)

	Gardnerella vaginalis	Trichomonas vaginalis	Streptococco agalactiae
injection	1,9E+06 = (100%) living	1,0E+06 = (100%) living	1,1E+06 = (100%) living
time 0	1,6E+05 = (8,42%) living antimicrobial activity = (91,58%)	2,5E+05 = (25%) living antimicrobial activity = (75,00%)	1,6E+04 = (1,45%) living antimicrobial activity = (98,55%)
48 hours	1,2E+03 = (0,06%) living antimicrobial activity = (99,94%)	9,9E+02 = (0,09%) living antimicrobial activity = (99,91%)	8,7E+02 = (0,08%) living antimicrobial activity = (99,92%)

EFFECTIVENESS OF **PLURIGIN** GYNECOLOGICAL SOLUTION WITH A SINGLE APPLICATION



ACTIVITIES OF PLURIGIN GYNECOLOGICAL SOLUTION ON MICROORGANISMS

ORGANISM	TYPE	RESULT
<i>Aeromonas caviae</i>	Gram-negative bacteria	no growth
<i>Aeromonas hydrophila</i>	Gram-negative bacteria	»
<i>Aspergillus niger</i>	fungus	»
<i>Bacillus cereus</i>	Gram-positive bacteria	»
<i>Bacillus licheniformis</i>	Gram-positive bacteria	»
<i>Bacillus subtilis</i>	Gram-positive bacteria	»
<i>Candida albicans</i>	yeast	»
<i>Candida glabrata</i>	yeast	»
<i>Candida tropicalis</i>	yeast	»
<i>Citrobacter amalonaticus</i>	Gram-negative bacteria	»
<i>Citrobacter freundii</i>	Gram-negative bacteria	»
<i>Corynebacterium species</i>	Gram-positive bacteria	»
<i>Enterobacter aerogenes</i>	Gram-negative bacteria	»
<i>Enterobacter agglomerans</i>	Gram-negative bacteria	»
<i>Enterobacter cloacae</i>	Gram-negative bacteria	»
<i>Enterococcus faecalis</i> (VRE)	Gram-positive bacteria	»
<i>Escherichia coli</i>	Gram-negative bacteria	»
<i>Gardnerella vaginalis</i>	Gram-positive bacteria	»
<i>Klebsiella pneumoniae</i>	Gram-negative bacteria	»
<i>Listeria monocytogenes</i>	Gram-positive bacteria	»
<i>Proteus mirabilis</i>	Gram-negative bacteria	»
<i>Proteus vulgaris</i>	Gram-negative bacteria	»
<i>Providencia alcalifaciens</i>	Gram-negative bacteria	»
<i>Providencia rettgeri</i>	Gram-negative bacteria	»
<i>Pseudomonas aeruginosa</i>	Gram-negative bacteria	»
<i>Pseudomonas luteola</i>	Gram-negative bacteria	»
<i>Pseudomonas stutzeri</i>	Gram-negative bacteria	»
<i>Saccharomyces cerevisiae</i>	yeast	»
<i>Serratia marcescens</i>	Gram-negative bacteria	»
<i>Streptococcus agalactiae</i>	Gram-positive bacteria	»
<i>Staphylococcus aureus</i>	Gram-positive bacteria	»
<i>Staphylococcus aureus (MRSA)</i>	Gram-positive bacteria	»
<i>Staphylococcus epidermidis</i>	Gram-positive bacteria	»
<i>Staphylococcus lugdunensis</i>	Gram-positive bacteria	»
<i>Staphylococcus schleiferi</i>	Gram-positive bacteria	»
<i>Staphylococcus xylosus</i>	Gram-positive bacteria	»
<i>Stenotrophomonas maltophilia</i>	Gram-negative bacteria	»
<i>Streptococcus pyogenes</i>	Gram-positive bacteria	»
<i>Trichomonas vaginalis</i>	protozoo	»

PLURIGIN
GYNECOLOGICAL SOLUTION
for the compounds and for the proper and necessary quantity of 250ml rids all main pathogenic microorganisms without involving the physiological microorganisms with the innovation of

2 APPLICATIONS
in 7 DAYS

