

Fosfomycin trometamol 3g

Fosfolag[®]



the Monodose
against acute Cystitis



Lagap SA, 6943 Vezia, Switzerland

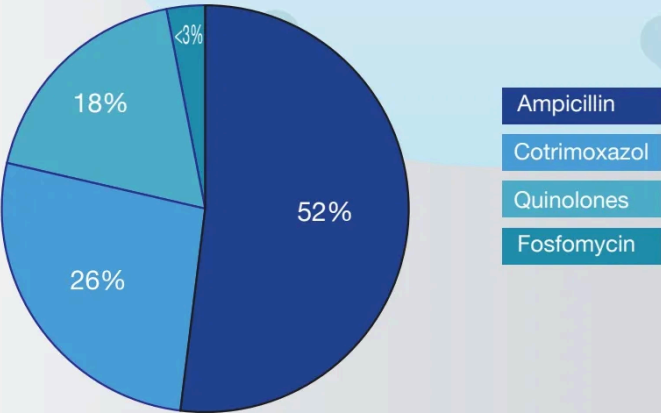


40 to 60 % of all women will develop a urinary tract infection during their lifetime (1)

E. Coli is the most common pathogen in UTI (%95-75) (1)
Over 98% of E.coli are susceptible to fosfomycin (2)

Antibiotic	Prevalence of bacteria in Spain (2004)	
	%	Interval for communities (%)
Fosfomycin	97.9	96.2 - 99.5
Ampicillin	97.9	29.6 - 66.4
AmoxiClav	90.8	81.1 - 95.4
Cefuroxime	90.7	81.9 - 96.8
Cefixime	95.8	95.1 - 97.4
Cotrimoxazol	66.1	58.3 - 84.0
Nitrofurantoin	94.3	91.7 - 99.2
Pipemidic Acid	67.0	56.1 - 80.2
Ciprofloxacin	77.2	66.7 - 90.8

Urinary bacteria resistance to antibiotics:
E. Coli resistance to fosfomycin was less than 3% (3)



The unique mode of action of fosfomycin targeting the cell wall, makes cross-resistance unlikely

(1) Sakamoto S, Miyazawa K, Yasui T, Iguchi T, Fujita M, Nishimatsu H, Masaki T, Hasegawa T, Hibi H, Arakawa T, Ando R, Kato Y, Ishito N, Yamaguchi S, Takazawa R, Tsujihata M, Taguchi M, Akakura K, Hata A, Ichikawa T. Chronological changes in epidemiological characteristics of lower urinary tract urolithiasis in Japan. Int J Urol. 2019 Jan;26(1):96-101.)

(2) Naber KG, Schito G, Botto H, Palou J, Mazzei T. Surveillance study in Europe and Brazil on clinical aspects and Antimicrobial Resistance Epidemiology in Females with Cystitis (ARESC): implications for empiric therapy. Eur Urol. 2008 Nov;54(5):1164-75.

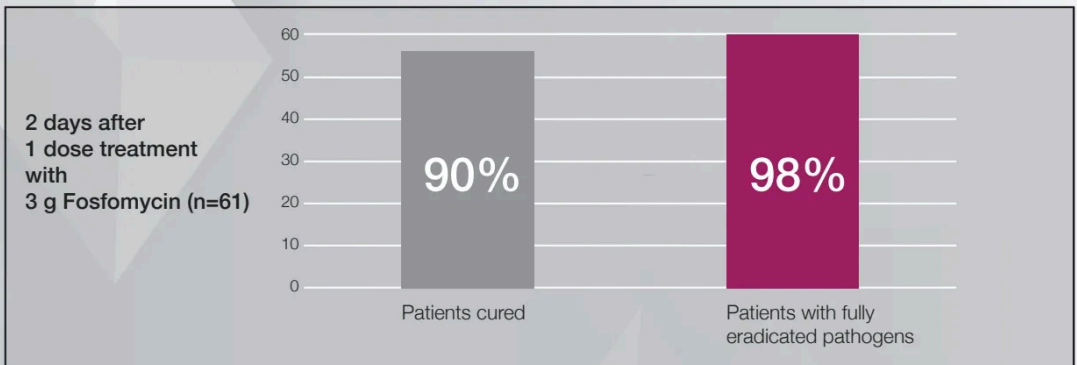
(3) Gobernado, M., Valdés, L., Alós, J. I., et al. Antimicrobial susceptibility of clinical Escherichia coli isolates from uncomplicated cystitis in women over a 1-year period in Spain. Rev Esp Quimioter, 2007, vol. 20, no 1, p. 68-76

Single dose treatment

Has similar efficacy to 3-7 days treatments with other antibiotics (4)

Antibiotics	Dose	Therapy duration
<i>Acute uncomplicated Cystitis</i>		
Nitrofurantoin monohydrate	100 mg PO BID	5 days
Trimethoprim/Sulfamethoxazole	160/180 mg PO BID	3 days
Trimethoprim	100 mg PO BID	3 days
Fosfomycin	3 g PO once	ONCE
Amoxicillin/clavulanate	500/125 mg PO q8hr	5-7 days
Cefpodoxime proxetil	100 mg PO BID	5-7 days
Cephalexin	500 mg PO BID	5-7 days

Is sufficient to achieve bacteria concentration reduction (5)



(5) Boerema JB, Willems FT. Fosfomycin trometamol in a single dose versus norfloxacin for seven days in the treatment of uncomplicated urinary infections in general practice. *Infection*. 1990;18 Suppl 2:S80-8.

(4) Gupta Kalpana, Hooton, Thomas M., Naber Kurt G., et al. International clinical practice guidelines for the treatment of acute uncomplicated cystitis and pyelonephritis in women: a 2010 update by the Infectious Diseases Society of America and the European Society for Microbiology and Infectious Diseases. *Clinical infectious diseases*, 2011, vol. 52, no 5, p. e103-e120

Safe in pregnancy

Fosfomycin is included in US FDA Category B
All animal studies showed no evidence of teratogenicity



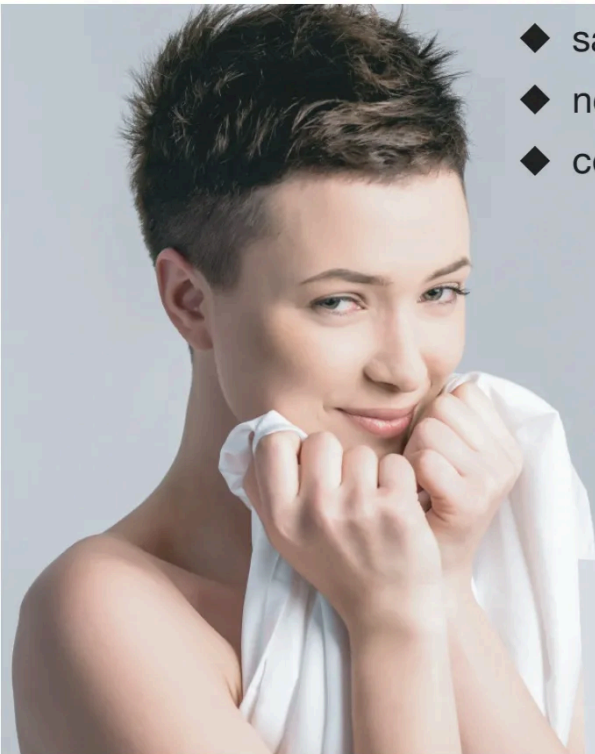
... better compliance

Fosfomycin trometamol 3 g

Fosfolag®



- ◆ monodose for uncomplicated UTIs
- ◆ broad spectrum of activity (Gram+/-)
- ◆ minimal bacteriological resistance
- ◆ safe to use in pregnancy
- ◆ no hepatic adjustments
- ◆ cost effective treatment



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