

# CHECK UTI

UTICHEK

**UTICHEK<sup>TM</sup>**

Nitrofurantoin 100 mg Sustained Release Tablets

**La Renon<sup>®</sup>**

# UTICHEK™

**Nitrofurantoin 100 mg Sustained Release Tablets**

**Indication:**

For the treatment of Urinary Tract Infection (**UTI**)

**Composition:**

Nitrofurantoin: 100 mg

**Mechanism of Action:**

Nitrofurantoin is a synthetic antimicrobial derived from furan by the addition of a nitro group and a side chain containing hydantoin. Nitrofurantoin is bactericidal in urine at therapeutic doses. The mechanism of the antimicrobial action of nitrofurantoin is unusual among antibacterials. Nitrofurantoin is reduced by bacterial flavoproteins to reactive intermediates which inactivate or alter bacterial ribosomal proteins and other macromolecules. As a result of such inactivations, the vital biochemical processes of protein synthesis, aerobic energy metabolism, DNA synthesis, RNA synthesis, and cell wall synthesis are inhibited.

Nitrofurantoin is active against the **Gram-negative** (e.g. Escherichia coli) and **Gram-positive** (Staphylococcus saprophyticus) organisms that commonly cause urinary tract infections.

**Dosage:**

For treatment of infection: One 100 mg tablet two times a day for seven days.

For prevention of further infections: One 100 mg tablet at bed time.

**Administration:**

UTICHEK should be taken with food. Take with or immediately after meals.

**Key Feature:**

Choice of drugs in the treatment of UTI is quite narrow today due to the wide scale resistance against the common UTI pathogens; Nitrofurantoin is a good alternative antibiotic for treatment of bacterial UTI.\*

Nitrofurantoin is a good alternative antibiotic to treat uncomplicated cystitis which is caused by antibiotic resistant Escherichia coli.\*\*

\* Antibiotics 3, 39-48:2014

\*\* Journal of Clinical and Diagnostic Research, Vol 5(5), 964-966: 2011

## La Renon Healthcare

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