

# Neotrim

Sulphamethoxazole + Trimethoprim

## COMPOSITION

**Neotrim** Suspension: Each 5 ml suspension contains Sulphamethoxazole BP 200 mg and Trimethoprim BP 40 mg.

## PHARMACOLOGY

**Neotrim** is a preparation of Sulphamethoxazole and Trimethoprim which is highly effective against a wide range of gram-positive and gram-negative bacteria. The dual action of its components ensures an effective antibacterial action.

## PHARMACOKINETICS

Approximately 85% of ingested sulphamethoxazole is absorbed although trimethoprim is completely absorbed.

## MODE OF ACTION

Sulphamethoxazole inhibits the enzyme dihydropteroate synthetase, which catalyzes the reduction of folic acid to dihydrofolic acid, while trimethoprim prevents the reduction of dihydrofolic acid to tetrahydrofolate by competitive inhibition of dihydrofolate reductase. The bacterial cells then grow without dividing and ultimately die.

## INDICATIONS

Upper and lower respiratory tract infections; gastrointestinal tract infections: bacillary dysentery, typhoid, paratyphoid; urogenital tract infections: pyelitis, pyelonephritis, cystitis; skin and soft tissue infections.

## DOSAGE & ADMINISTRATION

6 to 12 years: 2 teaspoonfuls (10 ml) twice daily.

6 months to 5 years: 1 teaspoonful (5 ml) twice daily.

6 weeks to 6 months: 1/2 teaspoonful (2.5 ml) twice daily.

## CONTRAINDICATIONS

Co-trimoxazole is contraindicated in patients with a history of hypersensitivity to its constituents, marked liver parenchymal damage, blood dyscrasias and in severe renal insufficiency. The drug should not be given to premature babies during first few weeks of life.

## SIDE EFFECTS

At recommended dosage, co-trimoxazole is well tolerated. Rarely nausea, vomiting and skin rashes may occur.

## PRECAUTIONS

In patients with renal impairment, a reduced dose is indicated. In case of prolonged therapy, regular blood count is advisable and adequate fluid intake is recommended.

## USE IN PREGNANCY & LACTATION

Co-trimoxazole is contraindicated to pregnant women and nursing mothers, because sulfonamides pass the placenta and are excreted in the milk and may cause kernicterus.

## DRUG INTERACTIONS

Effect of warfarin, sulphonylurea, thiopentone is enhanced and antifolate effect and plasma concentration of phenytoin are increased by co-trimoxazole.

## PHARMACEUTICAL PRECAUTION

Store in a cool and dry place, protected from light.

## HOW SUPPLIED

**Neotrim** Suspension: Each carton contains a bottle having 60 ml suspension.

Manufactured by

**MEDICON** Pharmaceuticals Ltd.  
Mirpur, Dhaka, Bangladesh.

