

# Trip Max ®



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Each kit contains  
Composition

1 cap of Rifampicin.....	450 mg
1 Tab of Ethambutol.....	800 mg
1 Tab of INH.....	150 mg
2 Tab of Pyrazinamide.....	750 mg

### Indications

Rifampicin, Ethambutol, Isoniazid, Pyrazinamide and Streptomycin are used in medication and management of Tuberculosis.

### Description

Rifampicin inhibits DNA-dependent RNA polymerase in bacterial cells by binding its beta subunit, thus preventing transcription of messenger RNA (mRNA) and subsequent translation to proteins.

Ethambutol is a synthetic, bacteriostatic antitubercular agent. Ethambutol diffuses into actively growing mycobacteria cells such as tubercle bacilli . It appears to inhibit the synthesis of one or more metabolites, thus impairing cell metabolism, arresting multiplication, and resulting in cell death.

INH is thought to work through its effects on lipids (fats) and DNA within the tuberculosis bacterium.

Pyrazinamide is a prodrug that stops the growth of Mycobacterium tuberculosis. M. tuberculosis has the enzyme pyrazinamidase which is only active at acidic pH. Pyrazinamidase converts pyrazinamide to the active form, pyrazinoic acid. Pyrazinoic acid inhibits the enzyme fatty acid synthetase I, which is required by the bacterium to synthesise fatty acids.

### Dosage

Adults: (below 50 kg): 450 mg daily as a single dose. More than 50 kg: upto 600 mg daily.

Children: 10-15 mg /kg body wt. daily as single dose.

### Presentations

1 kit



