

## Co-trimoxazole

= sulfamethoxazole & trimethoprim

Uses: urinary infections, ***Pneumocystis***, ***Nocardia***, ***Stenotrophomonas***, prophylaxis for ***Toxoplasma gondii***, some MRSA, potential for SSTI and multidrug-resistant TB

RATIO **sulfa 5: trim 1** (reduces side effects of inhibiting human DHFR)

plus

Trimethoprim is 50 000X more active against bacterial DHFR than human

Adverse effects:

- GI upset
- **Skin** – Stevens Johnson and epidermal necrolysis
- **Bone marrow** – hemolysis in G6PD deficiency, macrocytic anemia
- Teratogenic
- Electrolytes: **Low sodium, low glucose and high potassium**

