# Levofloxacin

**Spectrum of Activity**

*S. pneumoniae*

Gram-negatives including most Enterobacteriaceae, *H. influenzae*

*Chlamydia pneumoniae, Mycoplasma* spp.

*Legionella*

**Indications**

Primary – Community Acquired Pneumonia (CAP) requiring ICU admission, *Legionella* infections

Alternative – CAP (ward admission) if beta-lactam allergy, acute exacerbation of COPD if severe disease, Hospital Acquired Pneumonia (HAP)

**Not indicated**

MRSA or *Pseudomonas* infections

**Safety Considerations**

- Risk of QT prolongation
- Risk of *C. difficile* infection (high risk)
- Tendinitis and tendon rupture, peripheral neuropathy, and CNS effects

**Renal Dosing**

Dose adjustments required for renal impairment

**Other Considerations**

**Recommended dose 750mg for most indications**

High oral bioavailability (99%)

Oral levofloxacin:

- Avoid dairy products, antacids, and other sources of divalent cations (Ca, Fe, Mg, Al, Zn) which can chelate levofloxacin and prevent absorption
- Must hold continuous tube feeding 2 h before and 2 h after administration.