



Gram (-) toxins	
Bordetella Pertussis	1: Pertussis toxin - ↓Gi → ↑cAMP → Edema 2: AC toxin - ↑cAMP → impairs phagocytosis 3: Tracheal toxin - Damages ciliated epithelium
Shigella	Shiga toxin - Inhibits 60s - intestinal cell death
P. Aeruginosa	Exotoxin A - inactivats EF-2 via ribosylation
V. Cholera	Cholera toxin - Activates Gs → ↑cAMP → Cl- and H2O gut secretion