

Diuretic Classes

| <u>Class</u> | <u>Example</u> | <u>Mechanism of Action</u> | <u>Site of Action</u> |
|-------------------------------|---------------------------|---|---|
| Loop | Furosemide | Inhibits Na/K/Cl transport | Ascending Loop of Henle Luminal Membrane |
| Thiazides | Chlorothiazide | Inhibits Na/Cl transport | Early DCT |
| Carbonic Anhydrase Inhibitors | Acetazolamide | Inhibits H ⁺ secretion and HCO ₃ ⁻ reabsorption Reduces Na ⁺ reabsorption | PCT |
| Aldosterone Blockers | Spirolactone Aldactone | Inhibits action of Aldosterone K ⁺ sparing | Collecting Tubules |
| Sodium Channel Blockers | Amiloride | Prevents entry of Na ⁺ into sodium channels of luminal membrane, decreases Na ⁺ reabsorption and K ⁺ secretion | Collecting Tubules |
| Osmotic | Mannitol | Filtered at glomerulus and not reabsorbed, pharmacologically inert, osmotic attractants include H ₂ O, Na, K | Glomerulus, no reabsorption in tubules |