

Spironolactone, which blocks aldosterone's effects on the distal tubule, can cause a normal gap metabolic acidosis. This is because a lack of aldosterone causes the sodium-hydrogen exchanger to waste sodium in the urine, leaving H^+ in the serum.

Saline Infusion

Saline-sail

Normal gap metabolic acidosis can sometimes be caused by rapid infusion or sufficiently large volumes of plasma expanders, such as normal saline.