

Collecting duct

- Filtrate turned into pro-urine and then urine
- Salt transport and the concentration of urine
- Acid base balance
- Pass through the cortex and medulla to the renal pelvis
- 2 important types of cells in the epithelium
 - **Principal cell**
 - Main cell in the collecting duct
 - Involved in salt absorption as well as water absorption
 - Epithelial sodium channel (ENaC): Sensitive to aldosterone
 - Aquaporin: Under vasopressin (ADH) regulation
 - **Intercalated cell**
 - Between lots of principal cells
 - Acid base regulation
 - Alpha intercalated cell involved with excreting H^+ into the tubular lumen, there to get rid of an acid load into the urine
 - Beta intercalated cells secrete bicarbonate into the urine

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