**3B MICROanatomy™ Kidney**

This model shows the morphologic/functional units of the kidney greatly magnified. The fine-tissue structures that serve the production of urine are shown in six model zones that are identified with the letters A - F. The individual model zones are described from left to right as seen by the viewer.

**Zone A:** Longitudinal section of a kidney  
Zone B: Section of renal cortex and renal medulla.  
Zone C: Wedge-shaped section of a kidney lobe with a diagrammatic depiction of three nephrons with Henle’s loops of different lengths and diagrammatic depiction of the vascular supply.  
Zone D: Diagrammatic illustration of a nephron with a short Henle’s loop and didactic/diagrammatic illustration of the vascular supply.  
Zone E: Diagrammatic illustration of an opened renal corpuscle with nephron and light-microscopic transverse sections of the proximal, attenuated and distal segments of a renal tubule.  
Zone F: Diagrammatic/didactic illustration of an opened renal corpuscle.

| A | 1 | Renicapsule  
2 | Renal cortex  
3 | Renal medulla  
4 | Renal pelvis  
5 | Renal calix  
6 | Ureter  
7 | Renal sinus  
8 | Renal column |
|---|---|---|
| B | 1 | Renal cortex  
2 | Renal medulla  
3 | Medullary rays  
4 | Renal labyrinth  
5 | Renal corpuscle |
| C | 1 | Bowman’s capsule  
2 | Glomerulus  
3 | Interlobular artery  
4 | Interlobular vein  
5 | Renal corpuscle  
6 | Proximal tubule  
7 | Attenuated tubule  
8 | Distal tubule  
9 | Junctional tubule  
10 | Collecting tubules  
11 | Papillary duct  
12 | Vasa recta  
13 | Arcuate vein  
14 | Arcuate artery |
| D | 1 | Proximal convolution  
2 | Renal corpuscle  
3 | Junctional tubule  
4 | Distal convolution |
| E | 1 | Arteriolar afferens  
2 | Glomerulus  
3 | Bowman’s capsule  
4 | Proximal convolution  
5 | Proximal straight tubule  
6 | Attenuated tubule  
7 | Distal straight tubule  
8 | Basement membrane  
9 | Brush border  
10 | Distal convolution  
11 | Arteriolar efferens |
| F | 1 | Distal tubule  
2 | Arteriolar efferens  
3 | Extraglomerular mesangial cells  
4 | Glomerulus  
5 | Bowman’s capsule  
6 | Proximal tubule  
7 | Podocytes  
8 | Arteriolar afferens  
9 | Macula densa |