**Items to Identify: Muscle**

**Slides to Identify**

* Slide 125: Heart
  + Cardiac muscle, branching, intercalated discs
* Slide 136: Tongue, monkey
  + Branching skeletal muscle
  + Fasciculi, perimysium, endomysium
* Slide 137: Esophagus
  + Compare smooth and skeletal muscle
* Slide 152: Duodenum
  + Smooth muscle
* Slide 176: Uterus, late secretory endometrium
  + Smooth muscle
* Slide 195: Fetal Jaw
  + Skeletal muscle
* Slide 211-001: Skeletal muscle
  + Skeletal muscle, striations, peripheral multinucleated
* Slide 225: Heart, epicardium
  + Cardiac muscle, branching, intercalated discs
* Slide 226: Human heart
  + Cardiac muscle, branching, intercalated discs
  + Lipofuscin granules
* Slide 243: Fundic stomach, monkey (PAS)
  + Smooth muscle, PAS-positive basal lamina of smooth muscle cells
* Slide 250: Ileum, monkey
  + Smooth muscle fibers
* Slide 262: Ureter
  + Smooth muscle
* Slide 429: Larynx (Gallego’s stain)
  + Skeletal muscle, fasciculi, perimysium, endomysium
* Slide 472: Fallopian tube
  + Smooth muscle
* Slide 475: Uterus, late proliferative endometrium
  + Corkscrew nuclei of smooth muscle cells
* Slide 19678: Epididymis and ductus deferens
  + Smooth muscle
* Slide 19716: Tail of epidymis
  + Smooth muscle cells
* Slide 19753: Fetal brain and muscle
  + Skeletal muscle spindle
* Slide 32409: Rat intestine (toluidine blue)
  + Smooth muscle, muscularis externa, muscularis mucosa, Auerbach’s plexus, Meissner’s plexus
* Slide HISTO007: Skeletal muscle – nerve and motor end plates
  + Motor end plates in skeletal muscle
  + One nerve innervates several muscle cells
* Slide HISTO023: Heart
  + Striated muscle cells, sarcomere striations
* Slide HISTO025: Skeletal muscle
  + Myofibrils and muscle cells

**EMs to Identify**

* EM 9: Smooth muscle
  + Thick basal lamina, internal elastic membrane
  + Mitochondria, rough endoplasmic reticulum, lysosomes, free ribosomes
  + Caveolae, myofilaments, lack of sarcomeres
* EM 10: Skeletal muscle
  + Sarcomere, Z-line, H band, I band, A band
  + Terminal cisternae of sarcoplasmic reticulum, T tubule = Triad
* EM 10a: Capillary
  + Skeletal muscle
* EM 10b: Cardiac muscle
  + Intercalated discs, fascia adherens, gap junctions
  + A, I, H bands and Z lines, T tubules, Diads
* EM 10e: Smooth muscle
  + Smooth muscle cells, collagen fibers
* EM 10f: Arteriolar wall
  + Thick basal lamina, internal elastic membrane
  + Mitochondria, rough endoplasmic reticulum, lysosomes, free ribosomes
  + Caveolae, myofilaments, lack of sarcomeres