**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