

Striated Muscle, I.s.

The voluntary skeletal muscular system consists of muscular bundles made up of fibers, its smallest independent units. A fiber of average size had thousands of **nuclei** (1) characteristically located directly under the covering **sarcolemma** (2). Skeletal muscle fibers are characterized by the regular succession of light and dark stripes or striations across each fiber. These are due to the arrangement of various protein molecules.