

XC-101A SKELETON WITH MUSCLES AND LIGAMENTS 180CM TALL

USES:

The model is designed as a visual aid for teaching physiology and hygiene courses. It helps the students to understand the relationship between human body figure and skeleton. It can also be used for studying the morphology of bones and the construction of joints.

DEMONSTRATIONS:

An adult male skeleton, is set in a standing posture. (Hyoid bone, ear ossicles are not represented.) The joints of the upper and lower extremities are movable. This model is painted to show the muscles and ligaments. The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles.

1. Skull: composed of 22 pieces of bones with serrated sutures lines are marked out. Calvarium is transversely cut to show the interior structures of the skull. Mandible is movable, 3 lower teeth- incisor, cuspid and molar are removable.

2. Vertebral column: composed of 7 cervical vertebrae, 12 thoracic vertebrae and 5 lumbar vertebrae, a piece of sacrum, a piece of coccyx and 23 intervertebral discs. The vertebral column shows four curvatures, i.e. cervical and lumbar curvatures, being convex forward, thoracic and sacral curvature, being convex backward.

3. Bony thorax: composed of 24 ribs, a piece of costal cartilages and a piece of sternum. It includes 7 pairs (1-7) of true ribs, 3 pairs (8-10) of false ribs and 2 pairs (11 - 12) of floating ribs.

4. Bony pelvis: composed of sacrum, coccyx and two pieces of hip bones.

5. Bones of upper extremities: composed of 64 pieces of separable bones. The pectoral girdle (scapula and clavicle) are fixed on the bony thorax, the remaining parts of the upper extremities can be taken down. The main joints (shoulder, elbow and wrist) are movable.

6. Bones of lower extremities: composed of 62 pieces of separable bones. The pelvic girdle (hip bone) is fixed to construct the bony pelvis. The remaining parts of the lower extremities can be taken down. The main joints (hip, knee and ankle) are movable.

CONSTRUCTION: The model is made of PVC plastic.

DIMENSION: 180CM

MADE IN CHINA