

Equipment



Mechanical Analgesiometry System

Used in assays of:

Cutaneous Sensitivity to Mechanical Stimulation

Mechanical Allodynia

Mechanical Analgesia



Several mesh-floor or perforated Plexiglas testing tables are available for testing of mechanical withdrawal thresholds in rats or mice. Mechanical threshold withdrawal is a sensitive indicator of changes in touch/pressure (mechanical) nociceptive pathology. Evaluating touch/pressure sensation enables progression or regression of inflammation or sensory neuropathies to be assessed. These apparatuses consist of individual containment units that allow subjects to move freely while resting upon a wire-mesh platform (for testing plantar thresholds). For testing dorsal surfaces, subjects can be housed individually in confinement units that allow freedom of movement. Testing is performed using either a range of nylon Semmes-Weinstein monofilaments (calibrated to deliver graded bending forces to cutaneous tissue) or an electronic IITC Von Frey apparatus.