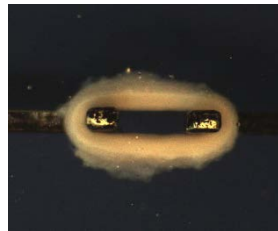
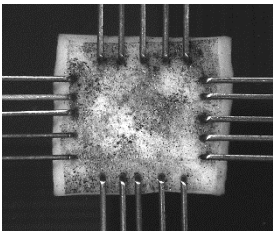


Biaxial tensile tester

The CellScale Biotester is a planar biaxial tensile tester for small soft tissues, starting at 3 mm in size.

The temperature-controlled media bath enables testing at physiological conditions

Wide variety of grips such as sutures, rakes, clamps and hooks to accommodate almost every sample.



Specifications

Manufacturer: CellScale

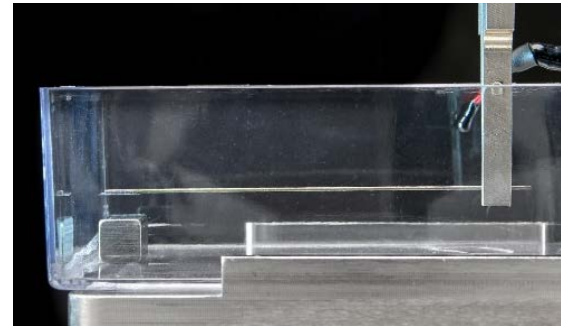
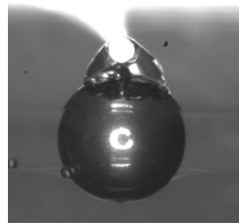
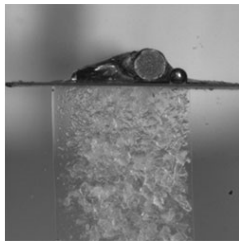
Force transducers:
0.5, 1,5, 2,5, 5, 10 and 23N

Max grip separation 80 mm
Max velocity 20 mm/s
Actuator resolution 0.1 μ m

Microtester MT 2G

The CellScale microtester is a mechanical testing device for soft tissues and biomaterials. Testing is performed in a fluid bath, enabling characterization of tissues, hydrogels, cell spheroids or other materials in liquid at 37°C.

With the microtester different both compression and indentation tests can be performed. For indentation testing, sphere sizes start at 0.5 mm in diameter.



Specifications

Manufacturer: CellScale

Force transducers:
0.005, 0.002, 0.08, 0.2, 1, 5, 25, 100 and 500 mN

Transducer accuracy	0.2%
Max grip separation	10 mm
Max velocity	0.1 mm/s
Actuator resolution	0.1 μ m

Criterion M42

Our laboratory is equipped with two Criterion M42 systems. The testers can be used for both compression and tensile testing and are typically used for hard tissues such as bone, cartilage or tendons.



Specifications

Manufacturer:	MTS
Force transducers:	500N, 1kN and 5kN
Transducer accuracy	0.5% of applied force
Force range	1-100% of capacity
Max grip separation	650 mm
Min-Max test speed	0.005-2000 mm/s
Position resolution	0.05 μ m

Tests can be performed in hydrated conditions with our media baths.