

BioTester



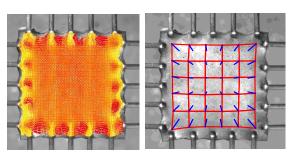


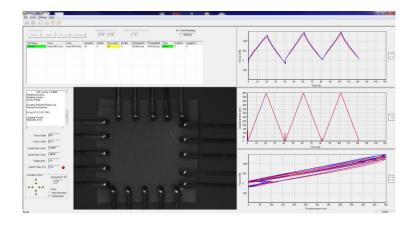


A variety of gripping methods are available for the BioTester. The patented BioRakes allow for fast and accurate mounting of specimens as small as 3mm. A tether mounting system allows for uniform force at each attachment point. Grips are useful for cruciform specimens and uniaxial tests.

Easy-to-use **Control software** gives the user complete control of the test protocol. Displacement and force control, cyclic testing, creep, preloads, and non equi-biaxial loading are all easily specified. All test parameters can be stored as a template for future use. During the test, the software provides continuous feedback to the user through real-time images and data graphing.

A key part of mechanical testing is understanding the data. The BioTester image analysis software allows users to review test images, digitally track points on the surface of the specimen, and quantify local strain fields.





23N
0.5, 1.5, 2.5, 5, 10, 23N
0.2% of load cell capacity
80mm
10mm/s
2Hz
100Hz



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Our mechanical test systems allow researchers to characterize the mechanical properties of biomaterials. Our mechanobiology technologies provide insights into the response of cells to mechanical stimulation.

CellScale's technologies are improving human health by helping researchers discover the causes of disease, improve medical treatments and devices, and advance regenerative medicine and other basic science research.

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