INSTRON®

The difference is measurable™

EVALUATING THE PERFORMANCE OF SYRINGE FIXTURES

Instron, a leading provider of testing equipment solutions designed to evaluate mechanical properties of materials and components, offers testing systems that are used extensively by the biomedical industry for test applications ranging from biomaterials, such as human and bio-engineered tissues, to devices using medical-grade plastics, including syringes.

The syringe test fixture is designed to investigate the forces necessary to collect force versus time data in an effort to evaluate the performance of syringes and syringe/needle combinations. Data is produced as the crosshead moves down to expel the fluid from the syringe in a compressive test mode. The fixture can determine breakaway forces at the beginning of injections, as well as sustaining forces throughout the injection process. The key feature of the fixture are plastic inserts that offers a wide range of flexibility to accommodate a variety of syringe sizes and volumes to meet your testing needs.

Additional features of the syringe fixture include:

- Allows for ejection of medications and fluids from syringe or syringe/needle devices
- Accommodates a variety of syringe diameters
- Maximum syringe diameter: 20 mm (0.78 in)
- Includes two threaded holes for optional drip tray
- Can be positioned downwards to perform a needle cap pull-off test (lower grip is sold separately)
- Mounts to any Instron single column or dual column testing system

For more information on Instron’s products and services, visit www.instron.com. Click on ‘Contact Us’ to locate a sales, service and technical support office near you.