



BioInteractions

Advancing Healthcare
Through Innovation™

BIOFriC 1000

Quick and easy verification of hydrophilic coatings.

The **BIOFriC 1000** makes it easy to test the **coefficient of friction** and **durability** of hydrophilic coatings for the medical device industry.

Confidence in your coatings

The **BIOFriC 1000** verifies the quality and consistency of hydrophilic coatings, such as the **Assist™ Enhanced Lubricious Coating**. It allows quick and easy testing and documentation of both the coefficient of friction and durability.

Carefully designed for hydrophilic coatings and applications the **BIOFriC 1000** offers simple, reliable and cost-effective elucidation of critical parameters. It is the essential tool for any manufacturer working with hydrophilic coatings.

Verifies quality of coatings

It is crucial that verification of the coating process is carried out and documented to ensure your specification is met each and every time.

The **BIOFriC 1000** is the ideal product for carrying out regular process verification and routine quality control testing of hydrophilic coatings during production. It is also suitable for research & development activities.

Designed for our customers

The **BIOFriC 1000** is a high quality, fully automated product, developed and manufactured by our engineering team in the UK, specifically for our coatings and customers.



It can be configured for many applications and coatings and is designed to quickly and simply test samples periodically during production.

Coefficient of friction (CoF) is calculated by drawing samples vertically through water and then a parallel constant force clamping system. The pull through force is measured to derive the CoF.

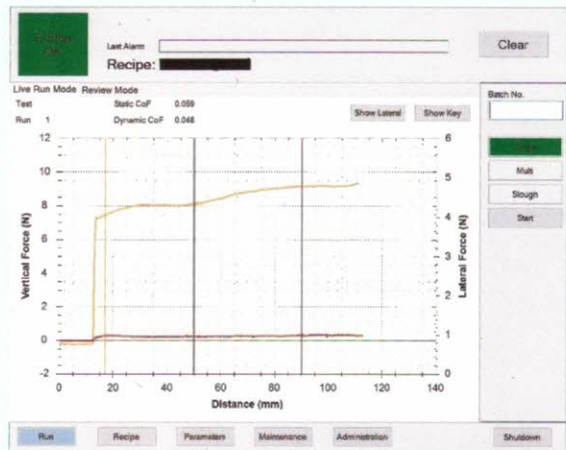
Customizable for many applications

The user-friendly equipment and intuitive software provides effortless measurement capabilities for routine evaluation of hydrophilic (lubricious) coatings.

BioInteractions Ltd.
Science and Technology Centre
Earley Gate, Whiteknights Road
Reading, Berkshire, RG6 6BZ
United Kingdom

T +44 (0)118 935 7000
F +44 (0)118 935 7917
E general@biointeractions.com

www.biointeractions.com



The easy to use software enables quick comparison of data. Pictured here, an uncoated intermittent catheter (yellow) vs. an intermittent catheter coated with Assist™ UV+ (red).

BIOFriC 1000 Specification

- Single run, Multiple runs or Slough testing
- Testing length: up to 500 mm
- Sample diameter: up to 20 mm
- Testing speed: 1 – 50 mm/s
- Clamp force: 1 – 10 N
- Variable parameters including speed, distance and number of cycles are easily defined within set recipes, which can be stored and recalled.

Applications for the **BIOFriC 1000** include:

Catheters, Guidewires, Tubes and Dilators

Global support and production in the UK

BioInteractions can recommend the best set-up for your requirements and assist with installation, validation and staff training. We also offer ongoing support and calibration to ensure your equipment is fully functional whenever you need it and help you set up for new coatings and applications.

Collaboration

BioInteractions is committed to the advancement of healthcare through innovation and welcomes interest in the **BIOFriC 1000** for all hydrophilic coating applications.



MD613895

