



BioSurface Technologies Corporation

FC 71 Coupon Evaluation Flow Cell

The BST Model FC 71 Coupon Evaluation Flow Cell is a single-channel flow cell that uses a standard microscope coverslip as a viewing window. The flow chamber on the FC 71 Flow Cell is made from either clear polycarbonate plastic or black anodized aluminum. Both material types are fully autoclavable and reusable. Anodized aluminum provides a more rugged material to last through numerous autoclave cycles (all plastics, including polycarbonate, will eventually deteriorate with repeated autoclave cycles). The flow chamber on the FC 71 is approximately 1.5" (39 mm) long by 0.5" (13 mm) wide by 0.014" (0.34 mm) deep. The flow chamber has recessed wells at the bottom of the flow channel to accommodate test coupon samples. Three different coupon configurations are available.

The FC 71 Coupon Evaluation Flow Cell is constructed in a sandwich of aluminum compression plates, silicone rubber gaskets, and the polycarbonate or anodized aluminum flow channel. The FC 71 Flow Cell has barbed fittings that accommodate size 16 (3 mm ID) tubing. The BST FC 71 Flow Cell uses commercially available microscope coverslips (60 x 24 mm; no. 2) as the viewing window. Using coverslips as viewing windows combines high-quality optical glass, thin dimensions (increases working focal depth into the chamber), and low cost. These viewing windows can be removed and replaced easily between experiments, providing access to the test coupon surfaces.

The FC 71 Flow Cell is provided with a standard, platform-stage microscope mount. Alternate mounting plates are available to mount the flow cell into a microtiter plate holder that is common on many upright and inverted microscopes. The stage mount allows direct attachment to upright and inverted microscope stages. The FC 71 Coupon Evaluation Flow Cell allows biofilm imaging using transmitted, epifluorescence, or confocal microscopy.



FC 71-PC	Polycarbonate Coupon Evaluation Flow-Cell	\$460.00
FC 71-AL	Anodized Aluminum Coupon Evaluation Flow-Cell	\$640.00
Standard platform stage mount; microtiter plate stage insert mount available (FC 75) includes flow cell, cover slips, spare gaskets, and one set of polycarbonate coupons		
Please Specify Flow Cell Type (-PC or -AL) and coupon configuration:		
FC 71-1x6x25: 1 coupon recess 6 mm x 25 mm x 2 mm deep		
FC 71-3x0.5: 3 coupon recesses 12.7 mm diameter x 3.8 mm deep		
FC 71-3x10: 3 coupon recesses 10 mm diameter x 2 mm deep		
FC 63	Silicone Gasket (3/pk, fits FC 71 and FC 81 Flow Cells)	\$22.00
FC 48382-2	24 x 60 mm No. 2 Glass Coverslip (1 oz. box.)	\$28.00

ALL PRICING BASED ON PAYMENT TERMS OF NET 30 DAYS.

Pricing shown is for domestic US Market. Please contact BioSurface Technologies Corporation, or one of our international distributors for international pricing. International customers will incur additional charges associated with shipping, insurance, import duties, taxes, and fees that are not covered by BioSurface Technologies Corporation. Prices are subject to change without notice.