

BioSurface Technologies Corporation

Microscopy and Image Analysis Flow Cells

[All BioSurface Technologies Flow Cells are Completely Autoclavable and Reuseable]

FC 81 Transmission Flow Cells

DESCRIPTION

FC 81 Transmission Flow Cell

The BST Model FC 81 Transmission Flow Cell is a single channel transmission flow cell that uses a standard microscope coverslip and microscope glass slide as viewing windows. The flow chamber on the FC 81 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 deteriorate with repeated autoclave cycles). The flow chamber on the FC 81 is approximately 2.0" (50 mm) long by 0.5" (13 mm) wide by 0.10" (2.35 mm) deep. The flow chamber can also be used to insert irregularly shaped materials, such as sutures, pieces of catheter, sand, etc. for imaging biofilm growth.

The FC 81 Transmission Flow Cell is constructed in a sandwich of aluminum compression plates, silicone rubber gaskets, and the polycarbonate or anodized aluminum flow channel. The FC 81 Flow Cell has integrated barbed fittings that accommodate

size 16 (3 mm ID) tubing. The BST FC 81 Flow Cell uses commercially available microscope coverslips (60 x 24 mm; no. 2) and microscope slides (25 x 75 x 1 mm) as viewing windows. The use of cover slips 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.

The FC 81 Flow Cell is provided with a standard, platform-stage microscope mount. Alternate mounting plates are available to mount the flow cell into a 96-well microtiter plate holder that are common on many upright and inverted microscopes. The stage mount allows direct attachment to upright and inverted microscope stages. The FC 81 Transmission Flow Cell allows biofilm imaging using transmitted, epi-fluorescence, or confocal microscopy.

PRICING (USD)

BST FC 81-PC Polycarbonate Transmission Flow-Cell

\$500.00 *

BST FC 81-AL Anodized Aluminum Transmission Flow-Cell

\$680.00 *

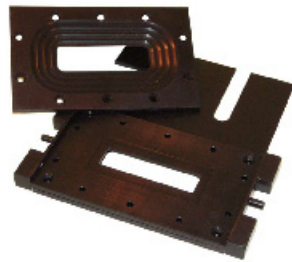
each flow cell includes:

standard platform-stage mount, flow cell, spare cover slips,
spare glass slide viewing window, spare silicone gaskets (1 set of 2),
spare screws.

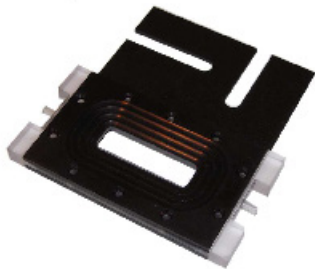
*Pricing shown is for domestic US Market on net 30 day terms. Please Contact BioSurface Technologies Corporation, or one of our international distributors for international pricing and delivery.

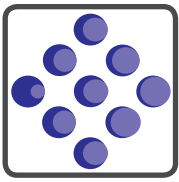


FC 81-PC
Polycarbonate



FC 81-AL
Anodized Aluminum





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Replacement Parts

PRICING (USD)

FC 63	Silicone Gasket (3/pk) Fits FC 71 and FC 81 Flow Cells	\$20.00*
FC 48382-2	24 x 60 mm No. 2 Glass Coverslip 1 oz. box.	\$22.00*
FC 48300-025	25 x 75 x 1 mm thickness 1/2 gross box	\$38.00*

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