BioSurface Technologies Corporation

FC 91 Capillary Flow Cell

Capillary Flow Cells are designed to image biofilm formation in glass capillaries under a wide range of flow rates and surface shear conditions. These Flow Cells use square glass capillaries as viewing windows and flow channels. Each Capillary Flow Cell holds 4 glass capillaries in a capillary holder. The range of flow rates through the capillaries is much wider than is allowed in the flat plate flow cells. Fluid flow can be characterized from laminar to turbulent flow in the Capillary Flow Cells.

The FC 91 Capillary Flow Cell is a 4-channel capillary flow cell. Each flow channel consists of a 1 mm ID square, borosilicate glass capillary. The wall thickness of the glass capillary is 0.15 mm, which allows the use of high-power objectives, including oil and water immersion objectives. The FC 91 Capillary Flow Cell is compatible with transmitted, reflected, fluorescence, and confocal microscopy. Barbed connectors provided are compatible with size 13 (1 mm ID) tubing (check flow cell dimensions for stage compatibility).

FC 91-Upright

FC 91-Inverted

FC 91	Capillary Flow Cell (1-mm ID square glass capillary flow cell, 4 channel) includes: standard platform-stage microscope mount, 4 glass capillary flow channels	$500.00
FC 91-4.25	Replacement Capillary Flow Channel (each) includes: 1 mm square glass capillary with silicone tubing and barbed connectors	$29.00

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.

421 Griffin Drive, Suite 2, Bozeman, MT, 59715, USA | biofilms.biz | (406) 585-2812

Publications

Purevdorj-Gage, B., W. J. Costerton, and Paul Stoodley. "Phenotypic differentiation and seeding dispersal in non-mucoid and mucoid Pseudomonas aeruginosa biofilms." *Microbiology* 151.5 (2005): 1569-1576.

Xi, Chuanwu, et al. "High-resolution three-dimensional imaging of biofilm development using optical coherence tomography." *Journal of biomedical optics* 11.3 (2006): 034001-034001.

Leid, Jeff G., et al. "Human leukocytes adhere to, penetrate, and respond to Staphylococcus aureus biofilms." *Infection and immunity* 70.11 (2002): 6339-6345.