

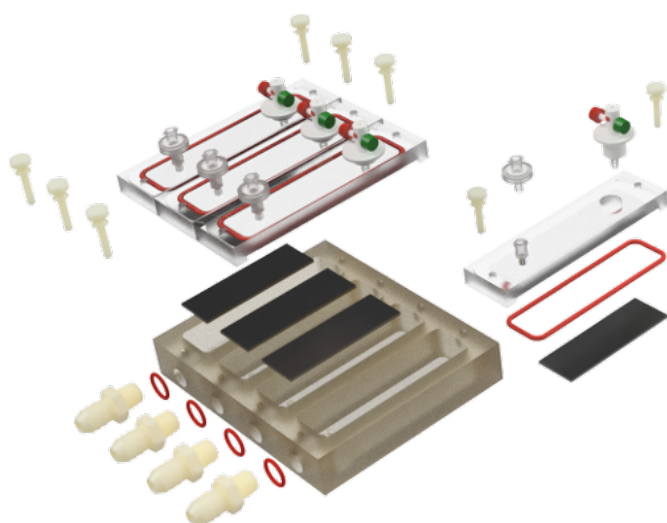
BioSurface Technologies Corporation

Drip Flow Biofilm Reactor®

The Model DFR 110 Drip Flow Biofilm Reactor® consists of four (4) or six (6) parallel test channels, each capable of holding one (1) standard glass microscope slide sized coupon, or a length of catheter or stint (after custom modification upon request). Growth media is provided by dripping over the coupon or catheter surface. Biofilm growth conditions provide low shear, and short residence time (2 minutes). Catheter and stint studies can also utilize the alternate end media port to provide flow within the catheter or stint. Media flows via gravity to provide a very low shear condition.

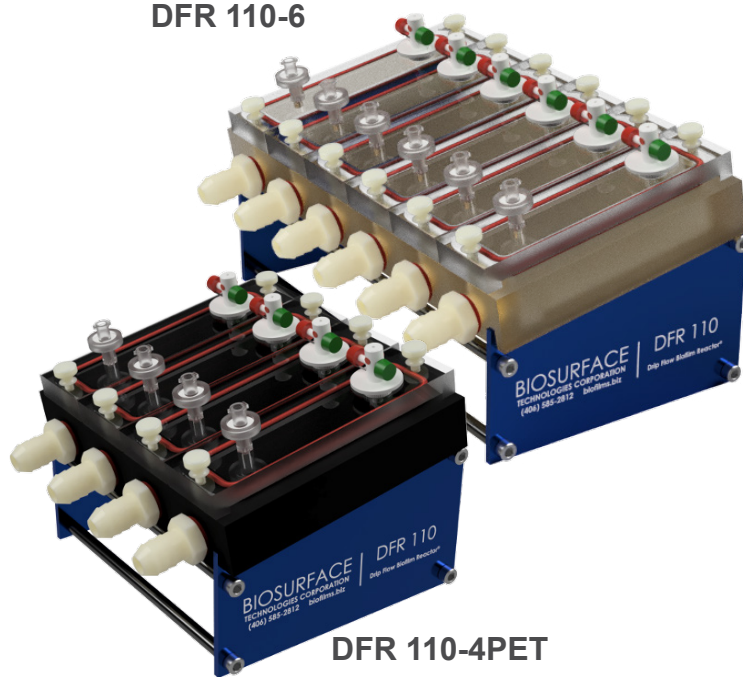
The Drip Flow Biofilm Reactor® is ideal for microsensor monitoring, general biofilm studies, biofilm cryosectioning samples, high biomass production, dental and medical material evaluations, and indwelling medical device evaluations.

ASTM E2647 is a standardized method developed for the Drip Flow Biofilm Reactor®. This standard method describes quantification of *Pseudomonas aeruginosa* biofilms using these reactors.



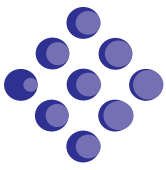
Drip Flow Biofilm Reactor®
exploded view diagram

DFR 110-6



DFR 110-4PET

Drip Flow Biofilm Reactors®
with reactor support stands



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Drip Flow Biofilm Reactor®

Model DFR 110 - 4 Drip Flow Reactor (Polysulfone Flow Channel)	\$1,520.00
Includes ported lids, lid gaskets, 4-channel polysulfone reactor body, bacterial vents, glass slide coupons (50pc. per box), slide removal tool, flow breaks (4), reactor support stand, operator's manual, six (6) month limited warranty.	
Model DFR 110 - 4PET Drip Flow Reactor (Polyethylene Terephthalate Flow Channel)	\$1,260.00
Includes ported lids, lid gaskets, 4-channel PET reactor body, bacterial vents, glass slide coupons (50pc. per box), slide removal tool, flow breaks (4), reactor support stand, operator's manual, six (6) month limited warranty.	
Model DFR 110 - 4AL Drip Flow Reactor (Anodized Aluminum Flow Channel)	\$1,300.00
Includes ported lids, lid gaskets, 4-channel anodized aluminum reactor body, bacterial vents, glass slide coupons (50pc. per box), slide removal tool, flow breaks (4), reactor support stand, operator's manual, six (6) month limited warranty.	
Model DFR 110 - 6 Drip Flow Reactor (Polysulfone Flow Channel)	\$2,200.00
Includes ported lids, lid gaskets, 6-channel polysulfone reactor body, bacterial vents, glass slide coupons (50pc. per box), slide removal tool, flow breaks (6), reactor support stand, operator's manual, six (6) month limited warranty.	
Model DFR 110 - 6PET Drip Flow Reactor (Polyethylene Terephthalate Flow Channel)	\$1,830.00
Includes ported lids, lid gaskets, 6-channel PET reactor body, bacterial vents, glass slide coupons (50pc. per box), slide removal tool, flow breaks (6), reactor support stand, operator's manual, six (6) month limited warranty.	
Model DFR 110 - 6AL Drip Flow Reactor (Anodized Aluminum Flow Channel)	\$1,880.00
Includes ported lids, lid gaskets, 6-channel anodized aluminum reactor body, bacterial vents, glass slide coupons (50pc. per box), slide removal tool, flow breaks (6), reactor support stand, operator's manual, six (6) month limited warranty.	

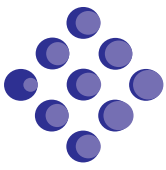
DFR Cath-2 Modification

Pricing Varies by Model

All of the above DFR models can be modified to accommodate catheter or tubing sections, in place of slide coupons. This modification includes additional influent/effluent ports and fittings to facilitate the easy installation of catheter sections. Flow can then be introduced through the lumen of the catheter, as well as dripped from the top to the exterior of the catheter.

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.



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Drip Flow Biofilm Reactor®

Part Number	Component Description	Pricing
DFR 33305	PTFE Mininert Injection Port/Valve	\$51.00
DFR 09740	0.20 um vent filter (each)	\$12.00
DFR 2-233	Silicone Lid O-ring	\$6.00
FB 50	Glass Flow Break	\$52.00
DFR 3842	Slide Removal Tool	\$14.00
DFR 94323	Lid Thumbscrew	\$1.50
DFR 1114-BS	4-Channel Reactor Support Stand	\$110.00
DFR 1116-BS	6-Channel Reactor Support Stand	\$120.00

Part Number	Slide Coupon Material	Pricing
DFR 2575-304	Stainless Steel (304) Coupon	\$10.00
DFR 2575-316	Stainless Steel (316L) Coupon	\$10.00
DFR 2575-CS	Carbon Steel Coupon	\$10.00
DFR 2575-GL	Glass Slide Coupon (50pc. per box)	\$32.00
DFR 2575-HA	Hydroxy Apatite Coupon	\$39.00
DFR 2575-HDPE	HDPE Polyethylene Coupon	\$8.00
DFR 2575-PC	Polycarbonate Coupon	\$8.00
DFR 2575-PP	Polypropylene Coupon	\$8.00
DFR 2575-PS	Polystyrene Coupon	\$8.00
DFR 2575-PTFE	Teflon coupons	\$14.00
DFR 2575-PU	Polyurethane Coupon (non-autoclavable)	\$8.00
DFR 2575-PVC	PVC (dark grey) Coupon (non-autoclavable)	\$8.00
DFR 2575-Si	Silicone Rubber Coupon	\$8.00
DFR 2575-Ti6AL	Grade 5 (6AL-4V) Titanium Coupon	\$21.00
DFR 2575-Vi	Viton Coupon	\$10.00

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