

BioSurface Technologies Corporation

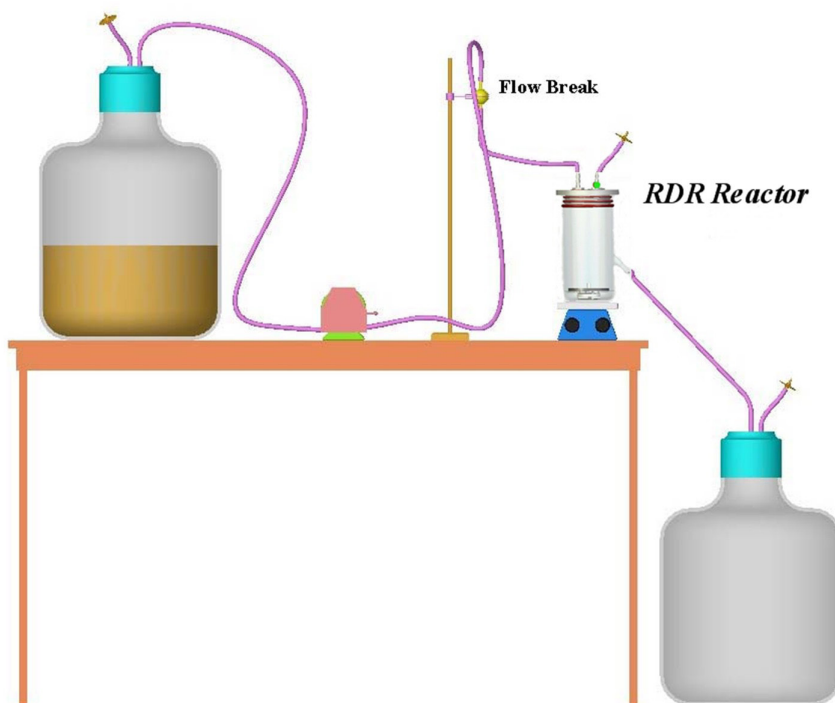
Rotating Disk Biofilm Reactor®

The Rotating Disk Biofilm Reactor consists of a PTFE and Viton disk containing recesses for six 1.25 cm diameter coupons. The removable coupons are manufactured from any machinable material. The bottom of the rotating disk contains a bar magnet to allow disk rotation to create liquid surface shear across surface-flush coupons. The entire disk containing the six coupons is placed in a 1000 ml glass reactor vessel. A liquid growth media/biocide/etc. is circulated through the vessel while the disk is rotated by a magnetic stirrer.

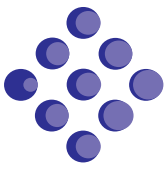
Sampling of the coupons is conducted by aseptically removing the entire disk from the reactor and punching the coupons from the disk (a tool is provided). If proper technique and care is used during sampling, a single coupon can be removed/replaced and the disk returned to the reactor vessel for further biofilm studies. The coupon removed from the reactor vessel is then scraped to collect the biofilm sample for further study or imaging using microscopy.



Rotating Disk Biofilm Reactor



Reactor Set-Up
(pumps, tubing, and reservoirs not included)



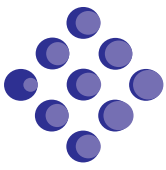
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Rotating Disk Biofilm Reactor®

Model DK 20-1 Rotating Disk Reactor System with stir plate and support stand	\$1,800.00
includes magnetic stirrer (120 VAC), reactor support stand and clamps glass reactor vessel with side discharge, coupon rotor reactor lid with 3 vent or liquid ports, 1 septum port 6 polycarbonate coupons (alternate materials available upon request, pricing may vary) coupon removal tool, 2 glass flow breaks, 1 bacterial air vent	
Model DK 20-1-Int. Rotating Disk Reactor System with stir plate and support stand	\$1,800.00
includes magnetic stirrer (220-240 VAC), reactor support stand and clamps glass reactor vessel with side discharge, coupon rotor reactor lid with 3 vent or liquid ports, 1 septum port 6 polycarbonate coupons (alternate materials available upon request, pricing may vary) coupon removal tool, 2 glass flow breaks, 1 bacterial air vent	
Model DK 20-1DH Rotating Disk Reactor System with Digital Stir/Hot plate and support stand	\$3,000.00
includes digital magnetic/hot stirrer (120 VAC), reactor support stand and clamps glass reactor vessel with side discharge, coupon rotor reactor lid with 3 vent or liquid ports, 1 septum port 6 polycarbonate coupons (alternate materials available upon request, pricing may vary) coupon removal tool, 2 glass flow breaks, 1 bacterial air vent	
Model DK 20-1DH-Int. Rotating Disk Reactor System with Digital Stir/Hot plate and support stand	\$3,000.00
includes digital magnetic/hot stirrer (220-240 VAC), reactor support stand and clamps glass reactor vessel with side discharge, coupon rotor reactor lid with 3 vent or liquid ports, 1 septum port 6 polycarbonate coupons (alternate materials available upon request, pricing may vary) coupon removal tool, 2 glass flow breaks, 1 bacterial air vent.	
DK 20-2 Rotating Disk Reactor System	\$1,000.00
includes glass reactor vessel with side discharge, coupon rotor reactor lid with 3 vent or liquid ports, 1 septum port 6 polycarbonate coupons (alternate materials available upon request, pricing may vary) coupon removal tool, 2 glass flow breaks, 1 bacterial air vent	
Model DK A204 Rotating Disk	\$390.00
includes the rotating disk coupon holder only	
RD 130 Side-arm flask	\$155.00
1 liter glass beaker with side-arm port at 300 ml	

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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Disc Coupon for the CDC, RDR, and IBR Reactors

RD128-304	Stainless Steel (304) Disc Coupon	\$8.50
RD128-316	Stainless Steel (316L) Disc Coupon	\$8.50
RD128-316EP	Stainless Steel (316L) Disc Coupon (Electropolished Surface)	\$18.00
RD128-316HP	Stainless Steel (316L) Disc Coupon (Hand Polished Surface)	\$26.00
RD128-347	Stainless Steel (347) Disc Coupon	\$12.00
RD128-ABS	Acrylonitrile Butadiene Styrene (ABS) Disc Coupon (non-autoclavable)	\$7.00
RD128-AL	Aluminum Disc Coupon	\$7.00
RD128-BUNA	Buna-N (AHW White High Grade FC) Rubber Disc Coupon	\$6.00
RD128-CC	Concrete Coated Polycarbonate Disc Coupon (concrete-filled polycarbonate cup)	\$11.00
RD128-CI	Cast Iron Disc Coupon	\$10.00
RD128-CoCr	Cobalt Chrome (Alloy F1537) Disc Coupon	\$40.00
RD128-CPVC	CPVC Disc Coupon	\$7.00
RD128-CS	Carbon (1018 Mild) Steel Disc Coupon	\$8.50
RD128-Cu	Copper (Alloy 101) Disc Coupon	\$9.50
RD128-DI	Ductile Iron Disc Coupon	\$10.00
RD128-EPDM	EPDM Rubber Disc Disc Coupon	\$6.00
RD128-GL	Borosilicate Glass Disc Coupon	\$11.00
RD128-GT	Glazed Tile Disc Coupon (porous ceramic substratum, one side glazed tile surface)	\$27.00
RD128-HA	Hydroxyapatite Disc Coupon	\$14.00
RD128-HDPE	High Density Polyethylene Disc Coupon	\$7.00
RD128-HY	Hypalon Rubber Disc Coupon	\$6.00
RD128-Inc	Inconel 718 (Nickel Chromium Alloy) Disc Coupon	\$22.00
RD128-LDPE	Low Density Polyethylene Disc Coupon (non-autoclavable)	\$7.00
RD128-Lucitone	Lucitone Dental Plastic Disc Coupon	\$24.00
RD128-Ni	Nickel Disc Coupon	\$17.00
RD128-NR	Natural Rubber Disc Coupon	\$6.00
RD128-Ny	Nylon Disc Coupon	\$7.00
RD128-PC	Polycarbonate Disc Coupon	\$7.00
RD128-PCC	Polycarbonate Cup Disc Coupon	\$8.50
RD128-PE	UHMW Polyethylene Disc Coupon (ultra-high-molecular-weight polyethylene)	\$7.00
RD128-PEEK	Polyether ether ketone (PEEK) Disc Coupon	\$11.00
RD128-PET	Polyethylene Terephthalate (PET) Disc Coupon	\$7.00
RD128-PETG	Polyethylene Terephthalate Glycol (PETG) Disc Coupon (non-autoclavable)	\$8.00
RD128-PG	Plexiglass (acrylic) Disc Coupon (non-autoclavable)	\$8.00
RD128-PL	Porcelain Disc Coupon (porous ceramic substratum, one side glazed porcelain)	\$42.00
RD128-PP	Polypropylene Disc Coupon	\$7.00
RD128-PS	Polystyrene Disc Coupon (non-autoclavable)	\$7.00
RD128-PTFE	Polytetrafluoroethylene (PTFE) Disc Coupon	\$8.50
RD128-PU	Polyurethane Rubber Disc Coupon (non-autoclavable)	\$6.00
RD128-PVC	PVC (White, Type 1) Disc Coupon (non-autoclavable)	\$7.00
RD128-Si	Silicone Rubber Disc Coupon	\$6.00
RD128-Ti	Titanium Disc Coupon	\$15.00
RD128-Ti6AL	Titanium Alloy (Ti-6AL-4V ELI) Disc Coupon	\$16.00
RD128-Vi	Viton Disc Coupon	\$6.00

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