

Materials List for:

# An *In Vitro* Model of a Parallel-Plate Perfusion System to Study Bacterial Adherence to Graft Tissues

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## Materials

Name	Company	Catalog Number	Comments
Bovine Pericardium (BP) patch, Supple Peri-Guard Pericardium	Synovis Surgical Innovations, USA	PC-0404SN	
Bovine Jugular Vein conduits (BJV)	Contegra conduit; Medtronic Inc, USA	M333105D001	
CH cryopreserved homograft	European Homograft Bank (EHB)	-	
Acu-Punch	Acuderm Inc, USA	P850 (8 mm); P1050 (10 mm)	
human Albumin	Flexbumin; Baxter, Belgium	BE171464 LOT:16G12C	
Tryptic soy broth (TSB)	Fluka, Steinheim, Germany	22092-500G	
Heart infusion broth (BHI)	Fluka	53286-500G	
Phosphate buffered saline (PBS).	Gibco	14190-094	
5(6)-Carboxyfluorescein N-hydroxysuccinimide ester (CF)	Sigma-Aldrich, Germany	21878-100MG-F	
Peristaltic pump (MODEL ISM444B)	Ismatec BVP-Z Standard; Cole Parmer, Wertheim, Germany	631942-2	
Sonication bath	VWR Ultrasonic Cleaner; VWR, Radnor, Pa	142-6044	230V/50 -60Hz 60VA; HF45kHz, 30W
ProLong Gold Antifade Mountant	Invitrogen by ThermoFisher	P36930	
InCell Analyzer 2000 (fluorescence scanner)	GE Healthcare Life Sciences, Pittsburgh, Pa	29027886	
Arium Pro VF - ultrapure water - H <sub>2</sub> O MilliQ	Millipore	87206462	
Microscopic slides - Tissue Culture Chambers (1-well)	Sarstedt	94.6140.102	
1-well on Lumox detachable	Sarstedt	94.6150.101	
Stainless Steel - surgical Blades	Swann-Morton	311	
Tygon Silicone Tubing, 1/8"ID x 1/4"OD	Cole-Parmer	EW-95702-06	Temperature range: -80 to 200°C Sterilize: With ethylene oxide, gamma irradiation, or autoclave for 30 min, 15 psi of pressure
PharMed BPT Tubing	Saint-Gobain	AY242012	Autoclavable 30 min at 121°C
Tygon LMT-55 Tubing	Saint Gobain Performance Plastics™	15312022	
Thermostat	BMG BIOMEDIZINTECHNIK	300-0042	230V, 90VA, 50Hz