

Supporting Information

Freestanding hydrogel lumens for modeling blood vessels and vasodilation

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Table S1: Full set of data for Figure 2Bi and 2Bii

Table S1. Full set of data for Figure 2Bi and 2Bii. Each ring was measured four times for outer diameter (OD) and inner diameter (ID).

	Length (mm)	Average (mm)	SD (mm)
Expt 1-rack 1_ring 1-OD	2.568	2.5905	0.07421366
	2.558		
	2.7		
	2.536		
Expt 1-rack 1_ring 1-ID	0.854	0.8275	0.01887679
	0.815		
	0.828		
	0.813		
Expt 1-rack 1_ring 2-OD	2.508	2.59025	0.06186208
	2.654		
	2.615		
	2.584		
Expt 1-rack 1_ring 2-ID	0.807	0.7895	0.02703701
	0.807		
	0.794		
	0.75		
Expt 1-rack 1_ring 3-OD	2.28	2.452	0.14038993
	2.502		
	2.612		
	2.414		
Expt 1-rack 1_ring 3-ID	0.835	0.82275	0.0160494
	0.823		
	0.833		
	0.8		
Expt 1-rack 1_ring 4-OD	2.368	2.44475	0.06774154
	2.463		
	2.42		
	2.528		
Expt 1-rack 1_ring 4-ID	0.749	0.76475	0.02142234
	0.796		
	0.753		
	0.761		

Expt 1-rack 1_ring 5-OD	2.621	2.6095	0.08943713
	2.642		
	2.692		
	2.483		
Expt 1-rack 1_ring 5-ID	0.733	0.72775	0.06168401
	0.686		
	0.813		
	0.679		
Expt 1-rack 1_ring 6-OD	2.258	2.1635	0.1523275
	1.938		
	2.204		
	2.254		
Expt 1-rack 1_ring 6-ID	0.807	0.80975	0.02862837
	0.799		
	0.783		
	0.85		
Expt 1-rack 2_ring 1-OD	2.725	2.71275	0.03255124
	2.678		
	2.696		
	2.752		
Expt 1-rack 2_ring 1-ID	0.771	0.7625	0.03256276
	0.736		
	0.738		
	0.805		
Expt 1-rack 2_ring 2-OD	2.674	2.6585	0.06851521
	2.674		
	2.724		
	2.562		
Expt 1-rack 2_ring 2-ID	0.874	0.76075	0.0958797
	0.668		
	0.696		
	0.805		
Expt 1-rack 2_ring 3-OD	2.456	2.42875	0.06909595
	2.504		
	2.414		
	2.341		

Expt 1-rack 2_ring 3-ID	0.846	0.80975	0.04262531
	0.787		
	0.845		
	0.761		
Expt 1-rack 2_ring 4-OD	2.589	2.554	0.06827884
	2.452		
	2.58		
	2.595		
Expt 1-rack 2_ring 4-ID	0.87	0.83975	0.02030394
	0.833		
	0.828		
	0.828		
Expt 1-rack 2_ring 5-OD	2.684	2.6905	0.0230579
	2.716		
	2.662		
	2.7		
Expt 1-rack 2_ring 5-ID	0.897	0.888	0.02843707
	0.918		
	0.887		
	0.85		
Expt 1-rack 2_ring 6-OD	2.684	2.72625	0.03584573
	2.769		
	2.715		
	2.737		
Expt 1-rack 2_ring 6-ID	0.807	0.78275	0.02315707
	0.765		
	0.798		
	0.761		
Expt 2-rack 1_ring 1-OD	2.753	2.73275	0.0306635
	2.697		
	2.718		
	2.763		
Expt 2-rack 1_ring 1-ID	0.785	0.78575	0.02099802
	0.815		
	0.777		
	0.766		

Expt 2-rack 1_ring 2-OD	2.742	2.7005	0.03435598
	2.668		
	2.677		
	2.715		
Expt 2-rack 1_ring 2-ID	0.759	0.724	0.04291076
	0.675		
	0.701		
	0.761		
Expt 2-rack 1_ring 3-OD	2.457	2.402	0.06291264
	2.363		
	2.334		
	2.454		
Expt 2-rack 1_ring 3-ID	0.812	0.72025	0.06551527
	0.659		
	0.716		
	0.694		
Expt 2-rack 1_ring 4-OD	2.758	2.72025	0.03666402
	2.742		
	2.677		
	2.704		
Expt 2-rack 1_ring 4-ID	0.828	0.806	0.03293428
	0.833		
	0.761		
	0.802		
Expt 2-rack 1_ring 5-OD	2.773	2.8295	0.06239925
	2.868		
	2.897		
	2.78		
Expt 2-rack 1_ring 5-ID	0.692	0.71925	0.05586517
	0.759		
	0.772		
	0.654		
Expt 2-rack 1_ring 6-OD	2.63	2.578	0.07538789
	2.466		
	2.607		
	2.609		

Expt 2-rack 1_ring 6-ID	0.775	0.82225	0.04050823
	0.842		
	0.805		
	0.867		
Expt 2-rack 2_ring 1-OD	2.758	2.71875	0.06869922
	2.621		
	2.722		
	2.774		
Expt 2-rack 2_ring 1-ID	0.823	0.84325	0.01822773
	0.865		
	0.835		
	0.85		
Expt 2-rack 2_ring 2-OD	2.732	2.7545	0.01567376
	2.763		
	2.767		
	2.756		
Expt 2-rack 2_ring 2-ID	0.825	0.82425	0.00788987
	0.817		
	0.82		
	0.835		
Expt 2-rack 2_ring 3-OD	2.774	2.825	0.08807951
	2.951		
	2.756		
	2.819		
Expt 2-rack 2_ring 3-ID	0.754	0.75425	0.0425
	0.701		
	0.805		
	0.757		
Expt 2-rack 2_ring 4-OD	2.761	2.75775	0.0025
	2.757		
	2.755		
	2.758		
Expt 2-rack 2_ring 4-ID	0.787	0.76875	0.02224672
	0.767		
	0.738		
	0.783		

Expt 2-rack 2_ring 5-OD	2.725	2.726	0.02496664
	2.697		
	2.724		
	2.758		
Expt 2-rack 2_ring 5-ID	0.831	0.803	0.03836665
	0.759		
	0.783		
	0.839		
Expt 2-rack 2_ring 6-OD	2.457	2.58375	0.09788216
	2.687		
	2.566		
	2.625		
Expt 2-rack 2_ring 6-ID	0.664	0.71975	0.04428977
	0.738		
	0.768		
	0.709		