HPLC COLUMN VOLUME TABLE

COLUMN DIMENSIONS (I.D. x Length (mm))	VOID VOLUME (ml)
1.0 x 100	0.06
1.0 x 150	0.08
1.0 x 250	0.14
1.0 x 300	0.17
2.1 x 100	0.24
2.1 x 150	0.37
2.1 x 250	0.61
2.1 x 300	0.73
4.6 x 100	1.16
4.6 x 150	1.75
4.6 x 250	2.90
4.6 x 300	3.49
7.8 x 100	3.35
7.8 x 150	5.02
7.8 x 250	8.36
7.8 x 300	10.04
10.0 x 100	5.50
10.0 x 150	8.25
10.0 x 250	13.75
10.0 x 300	16.49
21.0 x 100	24.25
21.0 x 150	36.37
21.0 x 250	60.61
21.0 x 300	72.74
50.0 x 100	137.45
50.0 x 150	206.17
50.0 x 250	343.61
50.0 x 300	412.33

*** Note : Assumes an Average Silica Pore Volume of 0.70. Void Volume (in ul) = d^2 *Pi * L * Pore Volume / 4**
(Column Length and diameter are in mm)

Capillary Tubing Connection Volumes

Internal Diameter		Volume	
mm	inches	ul / cm	ul / inch
0.12	0.005	0.127	0.323
0.17	0.007	0.249	0.632
0.25	0.010	0.507	1.288
0.51	0.020	2.026	5.146
1.02	0.040	8.103	20.581