

Tubing and Column Volumes

Tubing volumes

Diameter (in)	Length (in)	Volume (ul)
0.003	1	0.116
0.005	1	0.322
0.007	1	0.631
0.01	1	1.287
0.02	1	5.148
0.03	1	11.583

Column Volumes

Diameter (mm)	Length (mm)	Volume (mL)	Volume (uL)	Volume (nL)
0.025	150	7.36311E-05	0.074	73.631
0.05	150	0.000294524	0.295	294.524
0.1	150	0.001178097	1.178	1178.097
0.2	150	0.004712389	4.712	4712.389
0.3	150	0.010602875	10.603	10602.875
0.5	150	0.029452432	29.452	29452.432
1	150	0.117809726	117.810	117809.726
2	150	0.471238905	471.239	471238.905
3	100	0.706858358	706.858	706858.358
4.6	100	1.661902538	1661.903	1661902.538