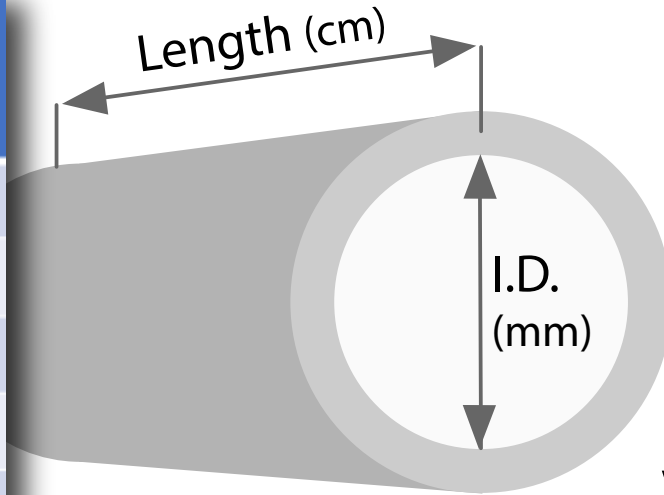


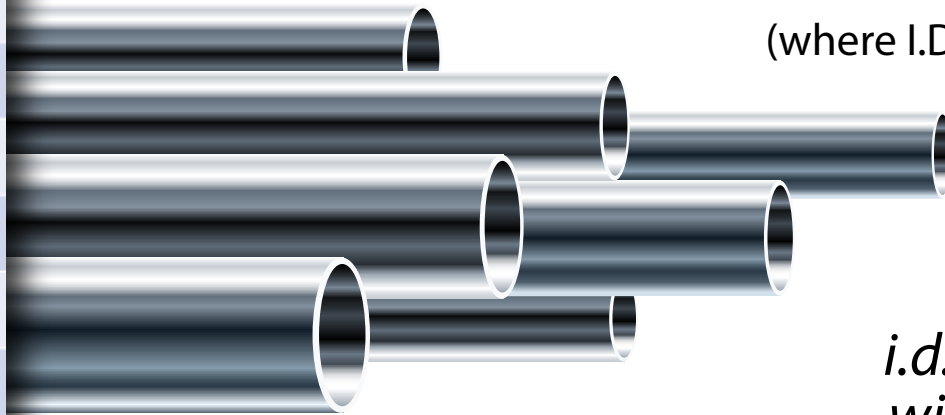
Internal Diameter (I.D.) mm	Tube Volume $\mu\text{l}/\text{cm}$
0.10	0.08
0.13	0.13
0.18	0.25
0.25	0.49
0.45	1.59
0.50	1.96
0.70	3.85
0.75	4.42
0.90	6.36
1.50	17.67
1.60	20.10
2.20	38.01



## Calculating the volume of a capillary tube

$$\text{Volume } (\mu\text{l}) = \pi \times \left(\frac{\text{I.D.}}{2}\right)^2 \times \text{Tube Length (cm)}$$

(where I.D. = internal diameter of tube in mm)



**Example:** a capillary tube of i.d. **0.5 mm**, that is **60 cm** long, will have a volume of **117.6  $\mu\text{l}$** .