



1 inch = 2.54 cm

microorganisms are measured in micrometers/nanometers  
 $\mu\text{m}$                       nm

Question:

if a typical E. coli is  $1\mu\text{m}$  how many inches would it be?

$$1\mu\text{m} \times \frac{1\text{m}}{1 \times 10^6 \mu\text{m}} \times \frac{100\text{cm}}{1\text{m}} \times \frac{1\text{in}}{2.54\text{cm}} = 3.937 \times 10^{-5} \text{ inch}$$