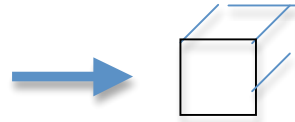


## Units of measure

**Cubic centimetre = millilitre**

= mL

= a metric unit of volume equal to one thousandth of a litre  
= one cubic centimetre = 1cm x 1cm x 1 cm = cm<sup>3</sup> = cm<sup>3</sup>



*Viral load is measured in copies per millilitre = copies/mL*

Viral load of 20,000 is written 20,000 copies/mL or 20,000 c/mL HIV RNA.

**Cubic millimetre = microlitre**

= mm<sup>3</sup>

= mm<sup>3</sup>

= a metric measure of volume or capacity equal to a cube  
1 millimeter on each edge

= 1mm x 1mm x 1mm



*CD4 counts are measured in cells per cubic millimetre = cells/mm<sup>3</sup>*

Sometimes CD4 is written as cells/uL = cells/microlitre

Sometimes CD4 results are written as cells x log 10<sup>6</sup> (ie x 10 x 10 x 10 x 10 x 10 x 10 x 10)

.....

If your CD4 count is 200, this can be written:

200 cells/mm<sup>3</sup>

or 200 cells/uL

or 2.0 x log 10<sup>6</sup> cells

**1 millilitre = 1000 microlitre**

**1 US pint = 0.47 litres**

**5.5 litres of blood in your body**

**Q1. How many millilitres of blood in your body? A. \_\_\_\_\_**

**Q2. How many microlitres of blood in your body? A. \_\_\_\_\_**

[Answers: A1: 1000 x 5.5 = 5,500; A2: 1000 x 1000 x 5.5 = 5,500,000]