Micrometry

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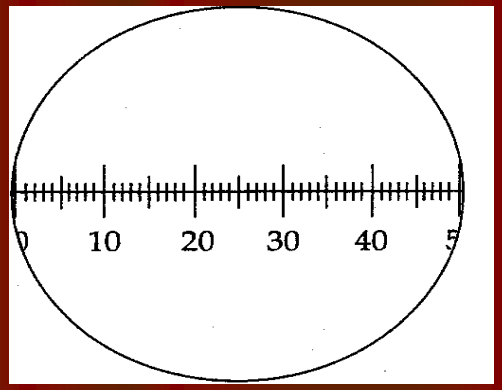
Micrometry

**objective:

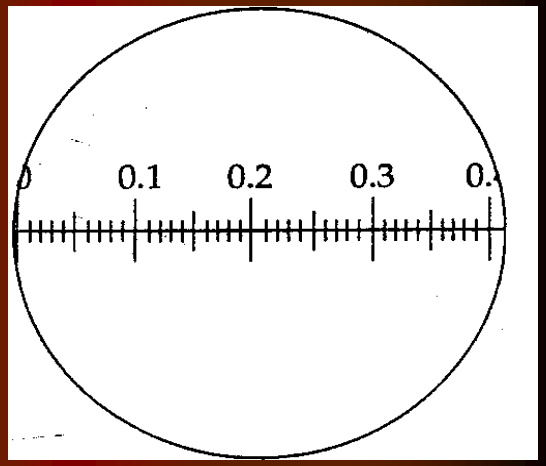
It a technique used to measure the size of microscopic objects

Ocular Micrometer



Stage micrometer

*It is used to calibrate an ocular micrometer.



*** 0.01 mm= 10 micro m

Micrometry

Materials:

1- light microscope (LM) .

2- ocular micrometer

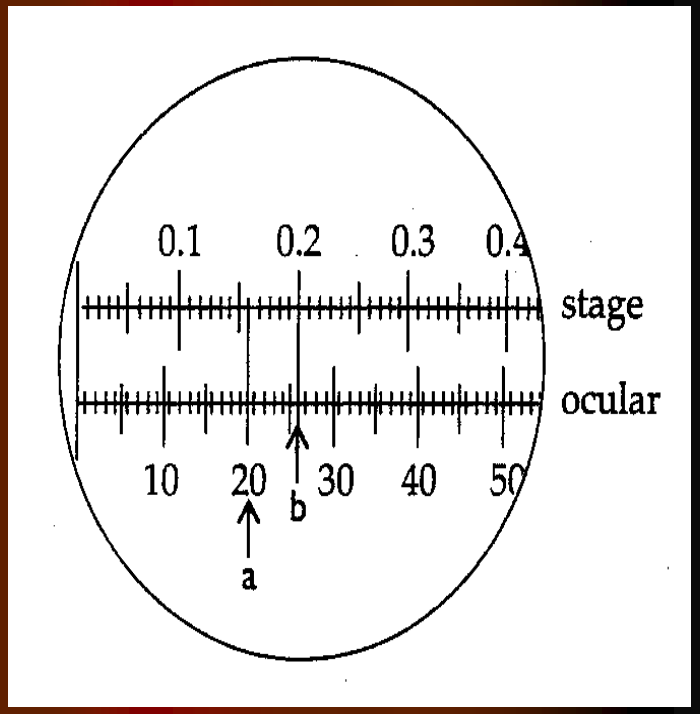
3- stage micrometer

Procedure

1-we place the ocular micrometer in the right ocular lens of the LM .

2-we place the stage micrometer on the stage of the LM .

3- we look into the ocular and focus on the stage micrometer at low power. We move the stage micrometer so that both the ocular and stage micrometer parallel to each other.



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Procedure

Step 1

Step 2

Calculation

Similar calibration can be performed with the x 40 and x 100

Result should be as follows :

1 ocular division at x 10 = 1o um

1 ocular division at x 40 = 2.5 um

1 ocular division at x 100= 1 um .