



## Liquid Volume measurement process

- 1.) Thoroughly clean and dry the roll surface to be measured for volume
- 2.) Based upon the lpi/volume determine amount (5-25 UL) of glycol to be applied
- 3.) Apply glycol with a smooth pass motion ensuring release of all liquid from unit
- 4.) Pull the liquid circumferentially around the roll surface with doctor blade material or razor utilizing smooth consistent action
- 5.) Outline the “wet area” of this liquid pull with #2 lead pencil
- 6.) Place graph paper (5 sq/inch) face down on outlined area applying pressure to transfer outline to graph paper
- 7.) Hand count the number of squares within transferred outline area of graph paper and proceed to formula below

**OR**

Use Placom KP90N planimeter (follow planimeter use instructions)

## Liquid Volume measurement Formula

Liquid volume formula;

$A / (B \times C) = \text{volume in billion cubic microns}$

A = Amount of liquid applied via Micropipette

B = The number of blocks filled on transfer to a 25 block per square inch graph paper

C = .0394 (This is the metric to inch calculation factor (1.0" / 25.4 mm))

Example;

$25 \text{ ml} / (75 \text{ blocks} \times .0394) = 8.46 \text{ bcm}$