

Manual cleaning of flow cell in Quintus.

In some cases flow cell inside optical unit can get particularly clogged or dirty.

Also air bubbles can be stuck inside flow cell.

An increased Laser On value > 0.5 from Laser DC value – Self test could appear and customer might complain that 5 part diff is not ok for controls and samples.

Some cases the instrument will not display any 5 part diff at all but only absolute values for WBC will be shown.

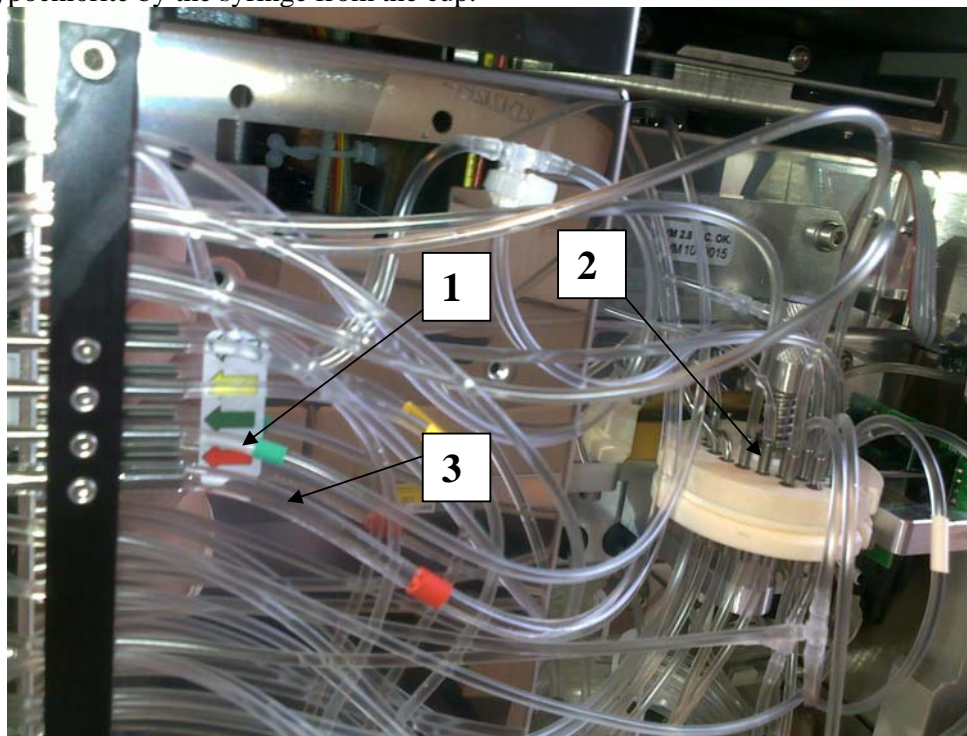
If above situation appear follow procedures below to see if problem will be resolved.

1. Perform a Fill from Advanced-Maintenance and make sure that long sheath tubing below shear valve is free from air bubbles.

2. Perform a Flow cell clean from Advanced – Maintenance.

3. Perform a manual cleaning with syringe as described below, **Note:** do not apply pressure with the syringe only vacuum.

4. Remove tubing 1, 2 and 3 as shown in below picture, this three tubing's are connected to the flow cell. Connect syringe to bigger tubing 3 (red) and put tubing 1 (green) and 2 (sample) in 10 ml cup filled with 2% Boule Hypochlorite, aspirate Hypochlorite by the syringe from the cup.



5. Connect all tubing's back and perform Fill two times from Advanced-Maintenance.

6. Perform background, control and sample analyze to check that 5 part diff is Ok.