**1.**



No clots in sample, no platelet clumps on slide. Slide estimate~7.5 NRBC=0

What is the reported WBC? This histogram shows cellular interference. Report LH780 corrected WBC=7.8

**2.**



No clots in sample, no platelet clumps on slide. Slide estimate~4.0 NRBC=582

What is the reported WBC? The histogram shows NRBCs with the count being cut off at the 35fl mark. Any NRBC’s smaller than 35fl are not counted. The manual correction (32.0/(100+582))100= 4.7. This is an overcorrection of the WBC count, because the small NRBCs were never included in the WBC count. Report the LH780 corrected WBC=5.6

**3.**



No clots in sample, no platelet clumps on slide. Slide estimate ~8.7 NRBC =88

What is the reported WBC? The histogram shows NRBCs with the count being cut off at the 35fl mark. Any NRBC’s smaller than 35fl are not counted. The manual NRBC correction (26.1/(100+88))100=13.9. This is an overcorrection of the WBC count, because the small NRBCs were never included in the WBC count. Report the LH780 corrected WBC=16.6

**4.**



No clots in sample, no platelet clumps on slide. Slide estimate~1.0. NRBCs=829.

What WBC is reported? The histogram clearly shows NRBC’s. The histogram shows NRBCs with the count being cut off at the 35fl mark. Any NRBC’s smaller than 35fl are not counted. The estimate is essentially the same as the LH780 WBC count. Report LH 780 corrected WBC=0.9.

**5.**

Original Run



The BC needs to be corrected due to the high WBC interference. Use the uncorrected WBC count to correct the RBC count.

RBC=2.86-0.1363=2.72

HGB= (2.72\*41.4)/10=11.3

HCT= (2.72\*120.7)/10=32.8

Pump & Dump



No clots in sample, no platelet clumps on slide. Slide estimate~48.0. NRBCs=329.

What WBC is reported? The histogram clearly shows NRBC’s. The histogram shows NRBCs with the count being cut off at the 35fl mark. Any NRBC’s smaller than 35fl are not counted. However; the slide WBC estimate of 48.0 is markedly different than the automated WBC of 109.9. This is a rare example of when a manual calculation is needed.

The manual corrected WBC 136.3/(100+329)= 31.8. In this case report the manual corrected WBC = 31.8