

Avioq HIV-1 Troubleshooting

Negative Calibrator is above specification (increased absorbances):

- Insufficient washing. Check wash/aspirate system for complete fill and aspiration.
- Contamination of the water source and/or washer. The washer should be decontaminated according to the maintenance guidelines. The water used for the wash solution and for washer cleaning should be fresh distilled/deionized water.
- Incorrect wash solution/concentration used. A 1:50 dilution of wash concentrate should be used.
- ABTS Substrate used past expiration.
- Cross-contamination between wells. Make sure that the multichannel pipet tips do not touch the wells or liquid during reagent addition.
- Increased incubator temperature. The incubator temperature should be stable at $37 \pm 2^{\circ}\text{C}$.
- Reagent troughs were reused. Use new troughs for each reagent.
- May indicate a longer incubation time was used. Follow package insert incubation times.

Positive and Negative Calibrator below specifications (decreased absorbances):

- Reagents used directly out of the refrigerator. Allow reagents to reach ambient temperature before testing begins.
- Decreased incubator temperature. Refrain from opening incubator door during test incubation.
- Inadequate mixing of reagents. All reagents should be mixed by inverting or vortexing before use.
- May indicate a shorter incubation time was used. Follow package insert incubation times.
- ABTS too cold when added to plate. Allow sufficient time to reach room temperature