

Avioq HTLV-I/II Troubleshooting

Controls 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 1:25 dilution of wash concentrate should be used.
- TMB contamination; prepare only enough TMB Substrate for immediate use. Do not allow TMB Substrate to come in contact with EnzAbody. TMB should not be exposed to excessive light or metal or metal ions.
- 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.

Controls 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 before use (especially EnzAbody Concentrate).
- May indicate a shorter incubation time was used. Follow package insert incubation times.
- EnzAbody Concentrate left out at room temperature for extended time.
- EnzAbody Concentrate should be returned to $2-8^{\circ}\text{C}$ immediately after the working solution is prepared.
- Insufficient washing of sample from microwell. Incomplete washing after the sample incubation leaves unbound IgG in the well and will quench the conjugate.
- EnzAbody Concentrate not prepared correctly. Allow at least 30 minutes after reconstitution for EnzAbody Concentrate to dissolve before use.
- Working EnzAbody greater than 4 hours old. Prepare working EnzAbody solution during sample incubation phase.