

## Using Bio-Rad Lyphochek® Immunoassay Plus Control Level 1 with Element i+™ Total T4 and Cortisol Tests

**Important:** This control is validated for use only with Element i+ Total T4 and Cortisol test cartridges.

### Instructions

1. Storage
  - Store lyophilized control vials at 36–46°F (2–8°C) until ready for use.
2. Reconstitution
  - Tap the vial lightly to dislodge any lyophilized material adhering to the cap, then unscrew the cap and remove the rubber stopper.
  - Add **exactly 5 mL provided sterile water** to the vial, using a syringe and needle to measure.
  - Recap and gently mix, ensuring any powder in the lid is dissolved.
  - Let the vial sit at **room temperature for 15 minutes**, gently swirling occasionally, to mix.
3. Sample Application
  - Using a **fixed-volume pipette**, apply the reconstituted control solution, as instructed in the *Element i+ Quick Steps Guide*, to the appropriate test cartridge (Total T4 and Cortisol only).
4. Run the Test
  - Run the control sample as you would a patient sample, following the guidelines for the test being run. For control results tracking purposes, it is suggested to enter the control lot number for the Sample ID field.
5. Control Limits
  - Lot-specific control acceptable ranges are included with the Control, or available at [customerportal.heska.com/ResourceLibrary](https://customerportal.heska.com/ResourceLibrary).
6. Results Interpretation
  - If the QC results are within the lot-specific reference values of the QC material, as noted on the website above, the QC check is valid, and patient samples can be considered accurate and reliable.
  - If results fall outside of the acceptable range, contact Antech's Technical Support Services.
7. Storage After Reconstitution
  - Store reconstituted control solution at 36–46°F (2–8°C) for up to fourteen (14) days.
  - Discard any unused portion after 14 days.

### Quality Control Recommendations

Antech recommends regular use of QC—the more frequently, the better—to ensure optimal analyzer performance and confidence in patient results. Always keep QC supplies on hand for routine checks, troubleshooting patient results, or working with Antech Technical Support Services.

### Internal Control Feature

The Element i+ Immunoassay Analyzer includes a built-in internal control system with every cartridge test, automatically verifying that the test is functioning correctly. This provides added assurance of result reliability and supplements—but does not replace—routine QC with control fluids.

### Need Help?

We're here for you. Contact Antech's Technical Support Services at [800-872-1001](tel:800-872-1001) US or [800-341-3440](tel:800-341-3440) CA with any questions.