

Sample Preparation and Application

The LeadCare® II Blood Lead Testing System is a simple point-of-care system that allows healthcare professionals to test all at risk children and adults quickly and accurately. LeadCare II is the method of choice for more than 80% of the laboratories that perform lead testing.¹ One of the benefits of our very large and growing customer base is great customer feedback. Our customers shared tips that helped them consistently generate accurate results. Here are these valuable tips for your benefit.

The LeadCare II System reports blood lead values between 3.3 µg/dL and 65 µg/dL. To obtain accurate test results it is important to collect an uncontaminated sample and to ensure that the correct sample volume is used throughout the test procedure. In general the points to monitor include:

AVOID CONTAMINATION

IS MY WORK SPACE FREE OF LEAD DUST?

- Clean your work area prior to beginning the test.
- Do not work near heating or air conditioning air flow units.

ARE MY SUPPLIES FREE OF LEAD DUST?

- Wear powder-free gloves.
- Do not touch black sections on sensors.
- Do not touch the ends of the capillary tubes

DID I WASH THE PATIENT'S HANDS?

- Wash patient's hands with soap and water.
- Let them air dry before collecting the capillary blood sample.

ENSURE APPROPRIATE VOLUME

IS THE CAPILLARY TUBE FILLED ALL THE WAY UP TO THE BLACK LINE?

- Fill the capillary tube all the way up to the black line.
- Make sure no air bubbles are present.

DID I WIPE OFF THE CAPILLARY TUBE AFTER SAMPLE COLLECTION?

- This ensures that excess sample volume is not added to the treatment reagent.

DID I ADD ENOUGH SAMPLE TO THE "X" ON THE SENSOR?

- Draw up about ¼ inch of sample in the transfer dropper and apply **the entire contents** of the dropper to the "X".

After recording the last test result, please discard used sensor immediately. This reduces wear on the sensor connector.

Following this simple checklist will ensure accurate and reliable LeadCare II results for you and your patients.