**Job Description Laboratory Technician**

**Qualifications**

* Trained Phlebotomist/nurse (according to country requirements) with experience in collecting and labeling blood samples
* If the survey requires blood to be collected from children under five years of age experience in pediatric phlebotomy is essential.
* Individuals with finger stick and heel stick experience
* Individuals with sample processing experience, including centrifugation and aliquoting samples.
* Experience with packing, transporting, and shipping biological samples.

**Responsibilities (will depend on survey)**

1. Collect blood from survey participants safely and effectively
2. Prepare malaria slide, Hemocue cuvette, and other samples as needed from the participant
3. Label all required samples with the correct labels immediately after drawing blood
4. Document results of Hb testing on data collection form and communicate results to survey participant
5. Ensure quality, availability, and safe keeping of equipment for drawing of blood.
6. Ensure correct storage and transfer of samples (maintain cold chain)
7. Ensure safe use and disposal of all equipment and supplies—maintain universal blood safety precautions
8. Provide referrals to local clinic or hospital if hemoglobin is below the country’s or WHO guidelines
9. Assist other team members as needed

**Daily Activities**

1. Advance preparation
2. Ensure availability of proper functioning equipment and supplies prior to arriving at household
3. Complete hemocue quality control check with liquid controls (this may not be required depending on the model of hemocue used) before first household of the day and record results
4. Quality check hemocue machine with standard cuvette at beginning and end of each day
5. Prepare household supply kits
6. Activities in the household
   1. Introduce yourself to the household members
   2. Set up equipment and supplies
   3. Collect blood - see finger stick or venous collection instructions
   4. Label samples
   5. Follow universal blood safety precautions at all times
7. Label samples
   1. Pre-printed label applied to (will depend on the survey):
      * Malaria slide
      * DBS card
      * Microtainers/Vacutainers
      * Urine cup / tube
      * Stool cup / tube
8. Document results - record total volume of blood collected and results of Hb test.
9. Ensure safe-keeping of blood samples
   1. Store Microtainer/Vacutainer in upright position.
   2. Maintain Microtainer/Vacutainer in a cool (0-8°C) and dark place until processing
   3. Ensure that the biological waste is disposed of properly, according to the laws of the country in which the survey is taking place.
10. Process specimens

a. Ensure proper processing, storage, and transport of blood samples

b. Identify a lab facility where blood processing can be done (if available) or an

appropriate alternative space (e.g., clean, private, well-lit, with electricity if

required)

c. Ensure the availability of required supplies and equipment needed for

processing and storing blood samples

f. Label cryovial(s), and store according to the analyte specifications

g. Ensure that the biological waste is disposed of properly, according to the laws of the country in which the survey is taking place

h. Pack samples safely for transport to lab(s) for sample analysis