**Prepare your work bench with:**

- Lab Bench Coat
- Alcohol Skin Cleansing Swabs
- SARSTEDT® Safety Lancet Super
- Cotton Wool Ball
- MICROSAFE® 50uL (Cat No 1050-100)
- Chase Buffer
- Determine™ HIV EARLY DETECT
- Adhesive Plaster
- Timer

**Preparation and Patient Assessment**

1. Check the expiry date of the test strips on the bottom of the silver packet before use. If expired, do not use.
2. Label the test strip with patient identifiers.
3. Place one strip on a flat surface where the test is to be performed.
4. Tear one strip from the right and remove foil cover.
5. Place one strip on a flat surface where the test is to be performed.
6. The strip must be used within 30 minutes after removing the foil cover, under 80% or less relative humidity.
7. Return remaining unused test strips back to foil pouch and reseal.

**Site Disinfection, Fingerstick and Collection**

1. If hands are visibly soiled and a sink is available ask participants to wash hands with soap and warm water.
2. Dry thoroughly.
3. Hold the finger and press the lancet firmly against the finger when making the puncture.
4. Dispose of the lancet in a biohazard sharps container.
5. Wipe away the first drop of blood with a sterile gauze pad or cotton ball.
6. Hold the MICROSAFE® tube horizontally and touch tip of the MICROSAFE® tube to the blood sample.
7. The MICROSAFE® tube will stop filling once blood has reached air vent indicated by the line. Do not squeeze the bulb or cover air vent during collection.
8. Capillary action will automatically draw the sample to the fill line and stop.
9. Place a cotton ball on the participant’s finger once the capillary tube is full and ask participant to hold it in the place where the fingerstick was performed.

**Hints**

- You can encourage patients to warm their own hands by rubbing their hands together, shaking them and performing fist pumps.
- Determine the best site for taking the sample which is midway either side of the midline of the finger.
- If hands are visibly soiled and a sink is available ask participants to wash hands with soap and warm water.
- Dry thoroughly.

**Instructions for Use**

- Check the expiry date of the test strips on the bottom of the silver packet before use. If expired, do not use.
- Label the test strip with patient identifiers.
- Place the test strip on a flat surface where the test is to be performed.
- Tear one strip from the right and remove foil cover.
- Place one strip on a flat surface where the test is to be performed.
- The strip must be used within 30 minutes after removing the foil cover, under 80% or less relative humidity.
- Return remaining unused test strips back to foil pouch and reseal.
- You can encourage patients to warm their own hands by rubbing their hands together, shaking them and performing fist pumps.
- Determine the best site for taking the sample which is midway either side of the midline of the finger.
- If hands are visibly soiled and a sink is available ask participants to wash hands with soap and warm water.
- Dry thoroughly.
- Hold the finger and press the lancet firmly against the finger when making the puncture.
- Dispose of the lancet in a biohazard sharps container.
- Wipe away the first drop of blood with a sterile gauze pad or cotton ball.
- Place a cotton ball on the participant’s finger once the capillary tube is full and ask participant to hold it in the place where the fingerstick was performed.

**Important Notes**

- You must wear appropriate PPE before starting sample collection.
- Always wear clean PPE for each new testing session.
- Test only one patient at a time.
- Always confirm patient identity before beginning.

**Phone the Help Desk on 08 8201 7555 if you have any problems**

(FLINDERS UNIVERSITY INTERNATIONAL CENTRE FOR POINT-OF-CARE TESTING)
Sample Application and Starting Test

1. Gently squeeze bulb and apply 50 μL of blood from MICROSAFE® Tube to the sample pad (marked by the arrow symbol).
2. Wait one minute to allow the sample to be absorbed, then apply one drop of Chase Buffer to the sample pad, holding the bottle vertically. Do not let bottle tip touch blood sample and device in order to avoid cross contamination.

Allow 20 minutes and no more than 40 minutes after the addition of the Chase Buffer before interpreting results.

Reading Results

Determine HIV Early Detect Results Key

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<th>Non-reactive</th>
<th>Invalid</th>
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