Prepare your work bench with:
- Lab Bench Coat
- Alcohol Skin Cleansing Swabs
- SARSTEDT® Safety Lancet Super
- Cotton Wool Ball
- Determine EDTA Capillary Tube
- Chase Buffer
- Determine™ HBsAg 2
- Adhesive Plaster
- Timer

Preparation and Patient Assessment
1. Check the expiry date of the test strip, top left corner. If expired, do not use.
2. Label the test strip with patient identifiers.
3. Tear one strip from the right and remove foil cover.
4. Place one strip on a flat surface where the test is to be performed.
5. The strip must be used within 2 hours after removing the foil cover.
6. Return remaining unused test strips back to foil pouch and reseal.
7. You can encourage patients to warm their own hands by rubbing their hands together, shaking them and performing fist pumps.
8. Determine the best site for taking the sample which is midway either side of the midline of the finger.

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. Use 1st swab to clean finger wall moving in both directions.
6. Hold the capillary tube horizontal and touch tip to the blood easily filling the tube.
7. Use 2nd swab to disinfect finger in a single stroke.
8. Place a cotton ball on the participant’s finger since the capillary tube is full and ask participant to hold it in the place where the fingerstick was performed.
9. Place a plaster on the participant’s finger.

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. Place the capillary tube containing the blood sample to the middle of the sample pad (marked by the arrow symbol) at an upright (vertical) position.

**Caution:**
- Do not lift the capillary tube from the sample pad before all the blood has been transferred – a bubble may form which will prevent the complete transfer of sample and invalidate the test. It may take more than one minute for full transfer of the sample.
- Wait until all the blood is transferred from the capillary tube to the sample pad. Then immediately 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.
- Dispose the used capillary tube in biohazardous waste.

Allow 15 minutes and no more than 30 minutes after the addition of the Chase Buffer before interpreting results.

### Reading Results

**HBV Results Key**

<table>
<thead>
<tr>
<th>Line</th>
<th>Reactive</th>
<th>Non-reactive</th>
<th>Invalid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td><img src="image" alt="" /></td>
<td>![image]</td>
<td>![image]</td>
</tr>
<tr>
<td>Patient</td>
<td>![image]</td>
<td>![image]</td>
<td>![image]</td>
</tr>
<tr>
<td>Sample Pad</td>
<td>![image]</td>
<td>![image]</td>
<td>![image]</td>
</tr>
</tbody>
</table>

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