NASOPHARYNGEAL SPECIMEN COLLECTION

Specimen collection procedures appropriate for use with the following BD Directigen\textsuperscript{TM} rapid test kits:

<table>
<thead>
<tr>
<th>Product</th>
<th>Unit</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directigen\textsuperscript{TM} EZ RSV</td>
<td>Test Kit</td>
<td>256030</td>
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<tr>
<td>Directigen\textsuperscript{TM} RSV</td>
<td>Test Kit</td>
<td>256020</td>
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<tr>
<td>Directigen\textsuperscript{TM} Flu A+B</td>
<td>Test Kit</td>
<td>256040</td>
</tr>
<tr>
<td>Directigen\textsuperscript{TM} Flu A</td>
<td>Test Kit</td>
<td>256010</td>
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</tbody>
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BD CultureSwab\textsuperscript{TM} collection and transport systems for use with BD Directigen\textsuperscript{TM} rapid test kits:

<table>
<thead>
<tr>
<th>Product</th>
<th>Unit</th>
<th>Cat. No.</th>
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<tbody>
<tr>
<td>BD CultureSwab\textsuperscript{TM}</td>
<td>Liquid Amies, Reg. Alum. Wire</td>
<td>220129</td>
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<tr>
<td>BD CultureSwab\textsuperscript{TM}</td>
<td>Liquid Amies, Soft Alum. Wire</td>
<td>220130</td>
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<tr>
<td>BD CultureSwab\textsuperscript{TM}</td>
<td>Liquid Amies, Flex. Alum. Wire</td>
<td>220131</td>
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<tr>
<td>BD CultureSwab\textsuperscript{TM}</td>
<td>Liquid Stuart, Reg. Alum. Wire</td>
<td>220132</td>
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<tr>
<td>BD CultureSwab\textsuperscript{TM}</td>
<td>Liquid Stuart, Soft Alum. Wire</td>
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</tr>
<tr>
<td>BD CultureSwab\textsuperscript{TM}</td>
<td>Liquid Stuart, Flex. Alum. Wire</td>
<td>220134</td>
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Vacuum-assisted Nasopharyngeal Aspirate Method

Materials: Suction outlet (portable/wall) Sterile suction catheter Mucus trap (i.e., Luken’s tube) Viral Transport Medium (VTM)

1. Attach mucus trap to suction outlet and catheter, leaving wrapper on suction catheter; turn on suction and adjust to suggested pressure.
2. Without applying suction, insert catheter into the nose, directed posteriorly and toward the opening of the external ear. NOTE: Depth of insertion necessary to reach posterior pharynx is equivalent to distance between anterior nares and external opening of the ear.
3. Apply suction. Using a rotating movement, slowly withdraw catheter. NOTE: Catheter should remain in nasopharynx for a minimal period of time, not to exceed 10 sec.
4. Hold trap upright to prevent secretions from going into pump.
5. Rinse catheter (if necessary) with approximately 2.0 mL VTM; disconnect suction; connect tubing to arm of mucus trap to seal.
6. Repeating procedure for the second nostril will deliver optimal combined sample.
7. After collection, immediately transport specimen to the laboratory for viral testing and viral antigen detection. If transport to the laboratory is delayed, place specimen on ice or in refrigeration.

Nasopharyngeal Aspirate Method

Patient Age Catheter Size (French)** Suction Pressure

- Premature infant 6 80-100 mmHg
- Infant 6 80-100 mmHg
- Toddler / Preschooler 8 100-120 mmHg
- School age 8 100-120 mmHg
- Adolescent / Adult 8 120-150 mmHg

** To determine length of catheter tubing, measure distance from tip of nose to external opening of ear.

Nasopharyngeal Swab Method

Materials: BD CultureSwab flexible, soft, or regular aluminum wire products or Nasopharyngeal swab with synthetic fiber tip

1. Insert swab into one nostril.
2. Rotate swab over surface of posterior nasopharynx.
3. Withdraw swab from collection site; insert into transport tube or container with VTM.
4. Repeating procedure for the second nostril will deliver optimal combined sample.
5. After collection, immediately transport specimen to the laboratory for viral testing and viral antigen detection. If transport to the laboratory is delayed, place specimen on ice or in refrigeration.

Nasopharyngeal Wash: Syringe Method

Materials: Saline

1. Fill syringe with saline; attach tubing to syringe tip.
2. Quickly instill saline into nostril.
3. Aspirate the recoverable nasopharyngeal specimen.
4. Recovery must occur immediately, as the instilled fluid will rapidly drain.
5. (Alternate) In appropriate cases, patients may tilt head forward to allow specimens to drain into suitable sterile container.

Nasopharyngeal Wash: Bulb Method

Materials: Saline

1. Suction 3-5 mL saline into a new sterile bulb.
2. Insert bulb into one nostril until nostril is occluded.
3. Instill saline into nostril with one squeeze of the bulb and immediately release bulb to collect recoverable nasal specimen.
4. Empty bulb into sterile specimen container with suitable VTM, according to virology laboratory requirements.
5. Repeating procedure for the second nostril will deliver optimal combined sample.
6. After collection, immediately transport specimen to the laboratory for viral testing and viral antigen detection. If transport to the laboratory is delayed, place specimen on ice or in refrigeration.

* Length and diameter of syringe and tubing as appropriate for infant, child or adult.