# ISARIC_Logo_White_PMS1925_702x350.jpegISARIC/WHO Clinical Characterisation Protocol for Severe Emerging Infections

**SAMPLING SCHEDULE CHILDREN <40KG**

**General**

* **Great care must be exercised to ensure the safety of staff and others when dealing with novel respiratory pathogens where little is known about transmissibility and/or virulence. Strict adherence to sample collection, handling and biosafety protocols is essential.**
* **Well-established protocols can be used to collect samples from patents with suspected or confirmed pathogens of interest (currently novel coronavirus MERS-CoV, influenza A/H7N9 & A/H5N1 and ebolavirus).**
* **Trusts should follow the usual sources of advice regarding collection and containment of these pathogens. In an emerging infection this may include information from ACDP and PHE, which would support a local risk assessment and SOP covering the handling of such samples.**
* **Follow infection control guidelines for novel respiratory pathogens**
* **Use recommended personal protective equipment (PPE)**
* **Dispose of sharps and clinical waste as per local guidelines**
* **Research samples are taken on alternate days during weeks 1 and 2**
* **Research samples are taken once-weekly from week 3 until week 14**

**Blood Samples**

* Venous blood is preferable, but finger prick and arterial blood is allowed
* Please discard the first few ml of blood if a line e.g. CVC is used
* Take samples in this order: red-top, then EDTA, then Tempus tube
* Note that on Day One, up to 3 x EDTA tubes are required
* Red-top clotted and EDTA tubes should each hold 3ml of blood
* After filling, invert the EDTA and red-top tubes 5 times
* The red-top tube should be allowed to clot at room temp for 30 minutes
* Fill the Tempus tube exactly to the black mark 
* It is essential that the Tempus tube is inverted 20 timesafter filling

**Other Samples**

* Urine (up to 10ml, MSU or CSU) in a sterile universal, with lid sealed
* Stool (up to 10ml) in stool pot, with lid sealed tightly
* Endotracheal aspirate (ETA, up to 10 ml) in sealed suction trap **OR**
* Nasopharyngeal aspirate (NPA, up to 10ml) in sealed suction trap
  + Flocked nasopharyngeal or flocked nose & throat swab if not intubated *and* NPA isn’t possible
* Sputum if not intubated *and* the patient has a productive cough

**ALL SAMPLES**

* Handwrite name, date of birth, date of sample and relevant **sample type** on containers. Apply the ISARIC Research study sample label if available, other wise clearly mark ISARIC RESEARCH SAMPLE preferably in red marker
* Complete the appropriate sampling record form
* Place all samples in a specimen bag and seal it
* Samples should be received promptly by your local lab and then within one hour of being collected

# ISARIC/WHO Severe Acute Respiratory Infection Biological Sampling Study

**CRITICAL CARE WEEK 1 SAMPLING (alternate days)**

|  |  |  |
| --- | --- | --- |
| **DAY** | **DATE** | **SAMPLES REQUIRED** |
| 1 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpghttp://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpghttp://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **3 x 1ml red-top 3 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 2 | / /2013 | *No research samples required – only take samples for clinical purposes* |
| 3 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 4 | / /2013 | *No research samples required – only take samples for clinical purposes* |
| 5 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 6 | / /2013 | *No research samples required – only take samples for clinical purposes* |
| 7 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |

# ISARIC/WHO Severe Acute Respiratory Infection Biological Sampling Study

**WEEK 2 SAMPLING (alternate days)**

|  |  |  |
| --- | --- | --- |
| **DAY** | **DATE** | **SAMPLES REQUIRED** |
| 8 | / /2013 | *No research samples – only take samples for clinical purposes* |
| 9 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 10 | / /2013 | *No research samples – only take samples for clinical purposes* |
| 11 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 12 | / /2013 | *No research samples required – only take samples for clinical purposes* |
| 13 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 14 | / /2013 | *No research samples required – only take samples for clinical purposes* |
| 15 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |

# ISARIC/WHO Severe Acute Respiratory Infection Biological Sampling Study

**WEEKLY SAMPLING – WEEKS 3-6**

|  |  |  |
| --- | --- | --- |
| **WEEK** | **DATE** | **SAMPLES REQUIRED** |
| 3 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 4 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 5 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
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# ISARIC/WHO Severe Acute Respiratory Infection Biological Sampling Study

**WEEKLY SAMPLING – WEEKS 7-10**

|  |  |  |
| --- | --- | --- |
| **WEEK** | **DATE** | **SAMPLES REQUIRED** |
| 7 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 8 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
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| 10 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |

# ISARIC/WHO Severe Acute Respiratory Infection Biological Sampling Study

**WEEKLY SAMPLING – WEEKS 11-14**

|  |  |  |
| --- | --- | --- |
| **WEEK** | **DATE** | **SAMPLES REQUIRED** |
| 11 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 12 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 13 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |
| 14 | / /2013 | http://images.allegrocentral.com/63/58/venous-blood-collection-tube-bd-vacutainer-serum-tube-5-ml-13-x-100mm-red-top-564493-MEDIUM_0.jpg http://store.medicalgoods.com/images/sites/1/products/e5e41fd9-b996-494a-b3cf-0bacbcfa5454/medium/854694.jpg  **1 x 3ml red-top 1 x 3ml EDTA 1 x Tempus**  *Invert red-top & EDTA tubes 5 times Invert Tempus 20 times*  http://4.bp.blogspot.com/_j72wVbOHCcE/SjTTp3qyqlI/AAAAAAAAAYw/dCAkbCAFPZA/s320/Collection+of+a+sample+of+urine+urine+specimen.JPG http://www.pathology.leedsth.nhs.uk/pathology/Portals/0/images/microbiology_images/how2sample_page/sample_containers/spoonedfaecespot.jpg  ***OR***http://www.nhspathology.fph.nhs.uk/Libraries/PP_Logos/collecting_vacuum.sflb.ashx  **10ml Urine Stool ET aspirate NP aspirate** |

***END OF INPATIENT SERIAL SAMPLING***

# ISARIC/WHO Severe Acute Respiratory Infection Biological Sampling Study – CRITICAL CARE

**ADDITIONAL SAMPLES AT EACH TIME POINT**

**Sputum** in a tightly-sealed universal container  *Only if the patient is not intubated and is expectorating*

http://www.copanusa.com/media/images/amies/191.png

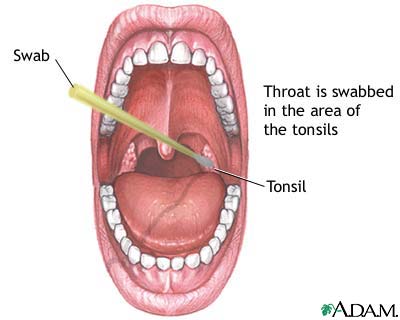
**Infected site swab** e.g. a viral swab of inflamed conjunctiva

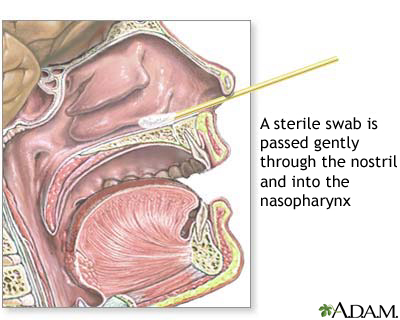
**ALTERNATIVE SAMPLES AT EACH TIME POINT**

If the patient is **not intubated but nasopharyngeal aspirate (NPA) is not possible**, obtain either:

**1. Flocked nasopharyngeal swab (preferred)**

  ***OR***

**2. Combined flocked swab of both nose and throat**



*Flocked swab tips should be placed in a labelled vial of universal transport medium (UTM) after sampling.*