



# Specimen Submission Guidelines for Serology Tests

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- Label packed specimens legibly with **specimen type**, **specimen identification codes** and the **collection date**. Use permanent marker or self-stick labels.
- Place the packed specimens into a larger plastic bag held secure with rubber bands to prevent leakage.
- Pack specimens in a **styrofoam box or suitable transport box** with sufficient **refrigerant materials (ice/gel packs or dry ice)** and courier or hand-deliver to the laboratory along with the Submission form which clearly states the Customer name and address, Billing information, Sender particulars, Specimen details, etc.



- **Minimum requirement: 15 serum specimens per test and 500 ul (0.5 ml) serum per specimen.**
- **Do request complimentary vials when sending samples.**
- **DO NOT send syringes with needles as it poses serious health hazard to the handlers.**
- **Do include sufficient refrigerant materials (gel/ice packs or dry ice) to maintain 4°C or lower until specimens arrive at the laboratory. Cooling can prevent the spoilage of your specimens.**
- **Serum specimens (without the blood cells) can be kept at 4°C for up to 4 days. You may keep in it in the freezer (-20°C) for longer storage.**
- **AVOID freezing serum specimens which contain clotted blood.**



SPECIMEN	SPECIMEN COLLECTION GUIDELINES	RELEVANT TESTS
<b>Serum - (Collecting serum from live birds and large animals)</b>	<ul style="list-style-type: none"> <li>Use a new sterile needle and syringe for each bird/animal.</li> <li>Collect 2.5 to 3mL of blood.</li> <li>Collect blood specimen by wing vein puncture on live bird.</li> <li>Collect blood specimen by jugular vein, anterior vena cava, ear veins puncture on large animals.</li> <li>Allow the syringe to stand at room temperature for 1-2 hours in an upright position for blood to clot.</li> <li>Alternatively, centrifuge at 3000rpm for 10 minutes to separate the red blood cells from the serum.</li> <li>Decant the serum into fresh vials.</li> <li>Label specimens with the animal identification and place in a clean plastic bag.</li> <li>Tie securely with rubber bands and double pack in another plastic bag.</li> </ul>	<p>Applicable to all serology specimens for ELISA, HI and RPAT tests</p> <p>11ELSA-E003 Newcastle Disease Virus (IDX)            11ELSA-E031 Newcastle Disease Virus (SYN)            11HEIN-E042 Newcastle Disease Virus (HI)            11ELSA-E048 Newcastle Disease Virus (BIOCHEK)            11ELSA-E001 Infectious Bronchitis Virus (IDX)            11ELSA-E040 Infectious Bronchitis Virus (SYN)            11ELSA-E049 Infectious Bronchitis Virus (BIOCHEK)            11ELSA-E002 Infectious Bursal/Gumboro Disease Virus (IDX)            11ELSA-E029 Infectious Bursal/Gumboro Disease Virus (SYN)            11ELSA-E050 Infectious Bursal/Gumboro Disease Virus (BIOCHEK)            11ELSA-E030* Infectious Bursal/Gumboro Disease Virus Plus (SYN)            11ELSA-E028 Chicken Anaemia Virus (IDX)            11ELSA-E038 Chicken Anaemia Virus (SYN)            11ELSA-E004 Reovirus/Avian Viral Arthritis (IDX)            11ELSA-E035 Reovirus/Avian Viral Arthritis (SYN)            11ELSA-E024 Egg Drop Syndrome Virus (HIP)            11HEIN-E041 Egg Drop Syndrome Virus (HI)            11ELSA-E006 Swollen Head Syndrome/ Avian metapneumovirus (IDX)            11ELSA-E005 <i>Mycoplasma gallisepticum</i> (IDX)            11ELSA-E036 <i>Mycoplasma gallisepticum</i> (SYN)            11RPAT-E045* <i>Mycoplasma gallisepticum</i> (RPAT)            11ELSA-E032* <i>Mycoplasma synoviae</i> (IDX)            11ELSA-E037* <i>Mycoplasma synoviae</i> (SYN)            11RPAT-E044* <i>Mycoplasma synoviae</i> (RPAT)            11ELSA-E027 <i>Ornithobacterium rhinotracheale</i> (IDX)            11ELSA-E053 Infectious Laryngotracheitis/ Herpesvirus (SYN)            11ELSA-E008 <i>Mycoplasma hyopneumoniae</i> (IDX)</p>
<b>Serum in Vials/ Test Tubes</b>	<ul style="list-style-type: none"> <li>Label specimens with the animal identification and place in a clean plastic bag.</li> <li>Tie securely with rubber bands and double pack in another plastic bag.</li> </ul>	
<b>Serum in Syringe (Undesirable/ Discouraged)</b>	<ul style="list-style-type: none"> <li><b>Cap the syringe needle</b> properly to prevent leakage of serum.</li> </ul>	





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<b>Practice)</b>	<ul style="list-style-type: none"> <li>Label specimens with the animal identification and place in a clean plastic bag.</li> <li>Tie securely with rubber bands and double pack in another plastic bag.</li> </ul> <p><i>Customers are <b>discouraged</b> to send the sample with syringes as the sample may leak and loosened cap syringes may prick laboratory staff therefore pose a <b>serious health threat</b> to the handlers.</i></p>	11ELSA-E054* Avian Leukosis Virus Subgroup J (SYN) 11ELSA-E014 Avian Influenza Virus (IDX) 11ELSA-E055* Avian Influenza Virus (SYN) 11ELSA-E039 Avian Influenza Virus - Flu detect BE (SYN) 11ELSA-E057 Avian Encephalomyelitis (IDX) 11ELSA-E047 <i>Salmonella</i> Enteritidis/ <i>Salmonella</i> Typhimurium (BIOCHEK) 11RPAT-E056* Rose Bengal Test (Brucellosis Screening Test) 11ELSA-E020 Classical Swine Fever Virus (IDX) 11ELSA-E021 Classical Swine Fever Virus (Hipra) 11ELSA-E007 Aujeszky's Disease - gp1 Deleted (IDX) 11ELSA-E013 Aujeszky's Disease - gB antibodies (IDX) 11ELSA-E018* Swine Influenza Virus (SYN) 11ELSA-E022* Swine Influenza Virus - H1N1 (IDX) 11ELSA-E023* Swine Influenza Virus (Hipra) 11ELSA-E026* Foot and Mouth Disease Virus-3ABC-Cattle 11ELSA-E009 Porcine Reproductive and Respiratory Syndrome Virus (IDX) 11ELSA-E046* Porcine Circovirus Type-2 Ab Mono Blocking (SYN) 11ELSA-E059* <i>Pasteurella multocida</i> (SYN) 11ELSA-E058 Swine Influenza Virus – H3N2 (IDX)
<b>Swabs</b>	<ul style="list-style-type: none"> <li>Use provided swabs to collect tracheal, oropharyngeal, cloacal, lung and/or brain specimens.</li> </ul>	11LAFL-E043 - Avian Influenza Virus Type A – Flu Detect (SYN)

[Disclaimer: Tests marked "\*" in this guidelines are "Not SAMM Accredited" and are not included in the SAMM Accreditation Schedule of this laboratory]

