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## ENTEROVIRUS ISOLATION

**Synonym(s):** Enterovirus Culture, Coxsackie Virus Culture, Echovirus Culture, EV71 Isolation, Coxsackie Virus Isolation, Poliovirus Culture, Poliovirus Isolation

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|------------------------------|---|
| <b>Lab Section Category</b>  | <b>Virology</b><br>Click here to find out more about the <b>write-up</b> ( <a href="/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx">/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx</a> ).   |
| <b>Specimen Required</b>     | <p>1 – 2 mL CSF in sterile bottle for neurological diseases</p> <p>Stool for all clinical presentations. Two stool samples collected 24 - 48 hours apart must be sent from all patients aged 15 years and below with a diagnosis of AFP (acute flaccid paralysis) for poliomyelitis surveillance.</p> <p>Throat swab/nasopharyngeal aspirate within the first 3 – 4 days of onset for all clinical presentations</p> <p>Throat swab, nasopharyngeal aspirate or bronchoalveolar lavage for respiratory infections</p> <p>Pericardial fluid for pericarditis</p> <p>Vesicular fluid for vesicular eruptions</p> <p><b>Send samples (except CSF, stool, pericardial fluid &amp; vesicular fluid) in Virus Transport Medium.</b><br/>(See also <b>Virology Section, General Guidelines for Virus Isolation &amp; Collection Methods for Virus Isolation by Sample Type</b> (<a href="http://shintersp.shses.shs.com.sg:82/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx">http://shintersp.shses.shs.com.sg:82/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx</a>) (<a href="http://shintersp.shses.shs.com.sg:82/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx">http://shintersp.shses.shs.com.sg:82/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx</a>) )</p> |
| <b>Storage and Transport</b> | <p>Refrigerate samples until transport to laboratory. <b>Do not freeze.</b></p> <p>Send samples on ice pack to laboratory.</p>  |

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|---------------------------|---|
| <b>Method</b>             | Tissue culture  |
| <b>Test Result</b>        | Reported as Positive or Negative  |
| <b>Turnaround Time</b>    | Positive preliminary report : 3 days – 3 weeks<br><br>Final report with enterovirus typing results : 2 - 6 weeks<br><br>Negative report : 3 weeks |
| <b>Day(s) Test Set up</b> | Monday – Saturday   |

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### Change History Notes

- 29 Dec 2017 02:41 PM**  
 Changed turn around time (TAT) for positive preliminary report to 3 days – 3 weeks.

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- 02 May 2018 04:52 PM**  
 The timing of collecting two stool samples from AFP patient changed.

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