### Specimen Collection and Transportation Information

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Mnemonic</th>
<th>Section</th>
<th>Specimen Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSF amino acid quantification</td>
<td>CSF-AA</td>
<td>Clinical Chemistry</td>
<td>CSF</td>
</tr>
</tbody>
</table>

- **Preparation of the Patient:** Not required

- **Type of Collection Container:** Sterile container (micro tube) without any preservative

- **Types and Amounts of Preservatives or Anticoagulants:** Not required

- **Quantity of Specimen to be Collected:** 0.5 ml (500ul)
  - **Minimum Quantity:** 0.2 ml (200µl)

- **Transportation Temperature:** Freeze at -20°C

- **Need for Special Timing for Collection (where applicable):** Ideally CSF should be collected at a time when symptoms are most severe

- **Specimen Stability Information:** If CSF sample could not be send to laboratory within 4 hours than make a secondary clean plain container(with patient identification)and freeze sample at -20°C and transport frozen CSF sample in dry ice to the laboratory

- **Special Instruction:** Send together with 2 ml whole blood lithium heparinized tube for plasma amino acid if suspecting non-ketotic hyperglycinaemia (NKH), and serine deficiency disorders. Separate the plasma immediately within 4 hours

- **Rejection Criteria:** Blood stained CSF / Unfrozen Sample > 4 hrs.

- **Need for Appropriate Clinical Data, When Indicated (Patient history):** Required

<table>
<thead>
<tr>
<th>Methodology</th>
<th>Reporting Scheme</th>
<th>Day Performed</th>
<th>Cut Off Time Main Lab</th>
<th>Cut Off Time Karachi Points</th>
<th>Cut Off Time Out of Karachi Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat ion exchange chromatography</td>
<td>After 10 days</td>
<td>Mon to Fri</td>
<td>11:00am</td>
<td>11:00am</td>
<td>11:00am</td>
</tr>
</tbody>
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Approved by Service Line Chief and Director Dr. Farooq Ghani dated 1st April, 2016

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