Urea and Electrolytes
- Synonyms: UE

Specific Information

<table>
<thead>
<tr>
<th>Laboratory</th>
<th>Biochemistry</th>
</tr>
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<tbody>
<tr>
<td>Specimen type</td>
<td>Serum</td>
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<table>
<thead>
<tr>
<th>Container</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Standard</td>
<td>4.0 mL Ochre top Vacuette</td>
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<tr>
<td>Paediatric</td>
<td>0.8 mL Ochre top MiniCollect</td>
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<tr>
<td>Neonates</td>
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Clinical information
Please supply sufficient clinical information necessary for test interpretation.

Special considerations and limitations
Blood specimens should never be placed in a refrigerator or by a radiator. They should be kept at room temperature while awaiting transport to the laboratory.

Reference ranges
- Urea: 2.5 - 7.8 mmol/LL
- Creatinine: 50 - 110 mmol/LL
- TCO2: 22 - 29 mmol/LL
- Sodium: 133 - 146 mmol/LL
- Potassium: 3.5 - 5.3 mmol/LL
- Chloride: 95 - 108 mmol/L

Critical values: See individual tests.

Clinical significance of test
Owing to the great difference in electrolyte concentrations between intercellular and intracellular fluids, certain results, notably potassium, are invalidated by haemolysis, extreme temperatures and prolonged storage.

Availability of testing
- Routine: 24 hours
- Urgent: YES Level 1

Turnaround time
- Urgent: ≤1 hour
- Routine: <4 hour

General Information

<table>
<thead>
<tr>
<th>Volume / quantity requirements</th>
<th>N/A</th>
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<tr>
<td>Transportation</td>
<td>N/A</td>
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Storage
Samples should be transported to laboratory as soon as possible after collection.

Information for patients
Please see labtestsonline.org.uk

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