The Study Bulletin serves to clarify which units are to be recorded for laboratory data, as well as how to accurately convert results reported in units different than those required for the study.

If you have any questions please do not hesitate to contact Janet Overvelde, Project Leader.

Units Used to Record Laboratory Data

The following list outlines the units to be used to score APACHE II and to enter Daily Data into the EDC System.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>Degrees Celsius (°C)</td>
</tr>
<tr>
<td>White Blood Count (WBC)</td>
<td>x10^9/L</td>
</tr>
<tr>
<td>Platelets</td>
<td>x10^9/L</td>
</tr>
<tr>
<td>Blood Sugar</td>
<td>mmol/L</td>
</tr>
<tr>
<td>Creatinine</td>
<td>μmol/L</td>
</tr>
<tr>
<td>*Urea</td>
<td>mmol/L</td>
</tr>
<tr>
<td>Bilirubin</td>
<td>μmol/L</td>
</tr>
<tr>
<td>Albumin</td>
<td>g/L</td>
</tr>
</tbody>
</table>

*For US sites, BUN should be converted to urea.

To assist sites whose institution uses units other than those outlined above, we have created a Unit Conversion Calculator. This calculator is available in two places: (1) on the web: [www.criticalcarenutrition.com](http://www.criticalcarenutrition.com) > REDOXS® Study > Resources > Study Procedures Manual; and (2) as a help file link on the Daily Data form of the EDC System. The calculator provides conversions between Conventional and SI units.

To use the calculator, simply enter the result as reported by your institution into the blue column of the calculator, the converted result will appear in the yellow column.

For example, to convert creatinine reported by the lab as 5.3 mg/dL:

1. Enter ‘5.3’ in the appropriate blue column;
2. The converted value ‘469 μmol/L’ appears in the yellow column;
3. Enter the newly converted value in the yellow column into the EDC System.

If you require a conversion that is not found in the Conversion Calculator, please contact the Project Leader.