

Supplementary table 1:

Title of data: Laboratory parameter and equipment information

Description of data: Table of properties of analytes and their corresponding measurement equipment.

| Analyte | Equipment | Manufacteurer | Method | Level/CV% | Reference range | Unit |
|--|------------------------------|---|---|--|----------------------------------|-----------|
| Sodium (Plasma or arterial blood) | Cobas 8000 or ABL800 flex | Roche Diagnostics, Switzerland or Radiometer, Denmark | Ion sensitive electrode, indirect method or Ion sensitive electrode, direct method | 140/3% 160/3% | 137-144 | mmol/L |
| Potassium (Plasma or arterial blood) | Cobas 8000 or ABL800 flex | Roche Diagnostics, Switzerland or Radiometer, Denmark | Ion sensitive electrode, indirect method or Ion sensitive electrode, direct method | 4/3% 7/3% | 3,5-4,6 | mmol/L |
| Chloride (Plasma or arterial blood) | Cobas 8000 or ABL800 flex | Roche Diagnostics, Switzerland or Radiometer, Denmark | Ion sensitive electrode, indirect method or Ion sensitive electrode, direct method | 100/3% 115/3% | 98-107 | mmol/L |
| pH (Arterial blood) | ABL800 flex | Radiometer, Denmark | Potentiometry | 6,8 / 0,15% 7,1 / 0,15% 7,4 / 0,15% 7,6 / 0,15% | 7,35-7,45 | |
| Base excess (Arterial blood) | ABL800 flex | Radiometer, Denmark | Calculated from other parameters | Not applicable | -3 – 3 | mmol/L |
| Osmolality (Serum) | Osmometer | Advanced instruments, United states | Freezing point depression | 280/3% | 280-300 | mosmol/kg |
| Hematocrite (Whole blood) | Sysmex XN- 9000 | Sysmex Europe, Germany | Impedance | 0,17 / 3% 0,35 / 3 % | F: 0,35-0,46 M: 0,39-0,50 | fraction |
| Creatinine | Cobas 8000 | Roche Diagnostics, | Enzymatic reaction, | 70 / 7% | F <90 | µmol/L |

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|----------|--|-------------|------------|-----------|--------|--|
| (Plasma) | | Switzerland | photometry | 560 / 4 % | M <100 | |
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