AFIAS PCT Plus
One step quantitative procalcitonin test with finger tip blood

True Quantitative Point-of-Care Procalcitonin Test!

- Accuracy comparable with Auto-analyzers
- Finger tip blood: 30µl
- ToTAT: 12min
- No consumable
AFIAS PCT Plus is the world first quantitative finger-tip blood Procalcitonin test with high sensitivity. AFIAS PCT Plus is best solution for the elderly and children who have difficulty in venipunctures.

AFIAS PCT Plus is a quantitative analytic reagent for the procalcitonin (PCT) in human whole blood, serum, and plasma based on high sensitivity fluorescence immunoassay (FIA) and is used with AFIAS automated immunoassay device. AFIAS PCT Plus can be useful for monitoring or managing sepsis or bacterial infections.

**AFIAS PCT Plus**

Innovative technological advance:
- PCT measurement in whole blood without sample pretreatment
- Improved sensitivity:
- High sensitivity fluorescence technology boasts 100 times of conventional fluorescence signal
- No consumable:
  - Only cartridge required for the fully automated processing.
- Compact:
  - Compact automated device can be used ubiquitously
- Random access:
  - 2 bays can independently process different cartridges.
- Unique C-tip:
  - Capillary C-tip™ can directly load exact amount of sample without pipette man

1. Step 1: Collect capillary blood
2. Step 2: Place the C-tip™ in the cartridge tip hole
3. Step 3: Press START to run the test.

12 Min

Result
Detection Range (ng/ml)

- **Bacterial infection**
- **Very likely**
- **Likely**
- **Unlikely**
- **Very unlikely**

**Comparability of AFIAS PCT plus**

\( n = 137, y = 0.1141 + 0.9984x, r = 0.973 \)

Mean VIDAS (ng/mL)

Mean AFIAS-6 (ng/mL)

Mean AFIAS PCT, serum (ng/mL)

Mean AFIAS PCT, whole blood (ng/mL)

**Matrix Evaluation of Whole Blood**

\( n = 180, y = 0.0323728 + 0.917478x, r = 0.9814 \)

**Sample Volume**

- **30 ul**

**ToTAT**

- **12 Min**

**Auto analyzer**

- AFIAS
- ADVIA
- Elecsys
- VIDAS
- PCT-Q

**POC**
Tips for convenience: C-tip™

✓ Finger-tip blood
✓ No blood tube
✓ No pipette
✓ No centrifugation

C-tip™ is plastic, non-evacuated, non-sterile low sample volume capillary tube conjugated with adaptor for the automatic pipette. A pre-defined nominal volume of fingertip blood will be collected and processed with minimal effort of human involvement. Unique feature of C-tip™ and AFIAS PCT enables the quantitative result available within 12 min from the collection of finger-prick.

Order Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Cat #</th>
<th>Unit</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFIAS PCT PLUS Cartridge</td>
<td>SMFP-32</td>
<td>24T/Box</td>
<td>2-8°C</td>
</tr>
<tr>
<td>Boditech PCT control</td>
<td>CFPO-97</td>
<td>Set</td>
<td>2-8°C</td>
</tr>
<tr>
<td>Boditech PCT calibrator</td>
<td>CFPO-109</td>
<td>Set</td>
<td>2-8°C</td>
</tr>
<tr>
<td>AFIAS-6 Reader</td>
<td>FPRR020</td>
<td>Set</td>
<td>Room Temp.</td>
</tr>
<tr>
<td>AFIAS-1 Reader</td>
<td>FPRR019</td>
<td>Set</td>
<td>Room Temp.</td>
</tr>
</tbody>
</table>

Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>AFIAS-6</th>
<th>AFIAS-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (LxWxH, mm)</td>
<td>420 x 336 x 293</td>
<td>320.6 x 180.6 x 206.4</td>
</tr>
<tr>
<td>Weight</td>
<td>15.1 Kg</td>
<td>4.0 Kg</td>
</tr>
<tr>
<td>Capacity</td>
<td>6 tests (2 bay)</td>
<td>1 test</td>
</tr>
<tr>
<td>Data output</td>
<td>LCD / Internal Printer / RS-232</td>
<td>LCD / Internal Printer / USB OTG</td>
</tr>
<tr>
<td>Power supply</td>
<td>100-240 V AC, 50~60 Hz, 1.8 A</td>
<td></td>
</tr>
<tr>
<td>Operation Temperature</td>
<td>15 ~ 35 °C (59~95 °F)</td>
<td>Maximum 70 %</td>
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<tr>
<td>Humidity</td>
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</tr>
<tr>
<td>Interface</td>
<td>USB 4 Ports/LAN 1 Port (only for manufacturer)</td>
<td></td>
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</tbody>
</table>