

# B·R·A·H·M·S PCT sensitive KRYPTOR

## Improving infection management

Thermo Scientific™ B·R·A·H·M·S PCT™ sensitive KRYPTOR™ is a homogeneous immunoassay for the quantitative determination of PCT (Procalcitonin) in human serum or plasma on the automated Thermo Scientific B·R·A·H·M·S KRYPTOR random access analyser



### Assay characteristics

<b>Test principle</b>	Homogeneous immunoassay (sandwich principle) using TRACE™ technology (Time resolved amplified cryptate emission)
<b>Sample matrix</b>	Serum, plasma (heparin, EDTA)
<b>Sample volume</b>	50 µL
<b>Incubation time</b>	19 min
<b>Range with automatic dilution</b>	0.02-5000 µg/L
<b>Functional assay sensitivity</b>	0.06 µg/L
<b>Kit stability on board</b>	29 days
<b>Calibrator</b>	1 point
<b>Calibration stability</b>	15 days

### Test procedure

The steps of the assay are as follows: dispense the conjugates and the sample into the wells and periodically measure the signal emitted. Should a sample present a concentration higher than that of the direct reading zone, it is detected in the first few seconds of incubation and will be diluted and assayed automatically.

- 50 µL of serum/plasma are automatically pipetted into the test tube
- Incubation for 19 min with continuous measurement
- In the case of high expected values, automatic dilution after a few minutes
- Automatic calculation of result by the system

### Reproducibility

Concentration PCT [µg/L]	Intra-assay CV (%)	Inter-assay CV* (%)
0.1-0.3	≤15	≤15
>0.3	≤5	≤6

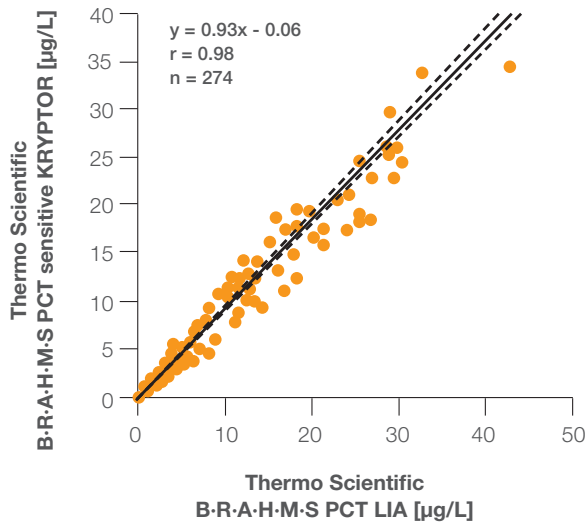
\* Inter-assay CV: between calibrations, same calibrator and kit lot, same machine



Thermo Scientific™ B·R·A·H·M·S™ KRYPTOR™ compact PLUS  
Article number: 106172

**Correlation**

**Correlation to reference assay Thermo Scientific B-R-A-H-M-S PCT LIA**



**Products**

Article number	Description
825.050	<p><b>Thermo Scientific B-R-A-H-M-S PCT sensitive KRYPTOR</b> for 50 determinations</p> <ul style="list-style-type: none"> <li>• MCRYPTATE CONJUGATE (1 vial): freeze-dry (anti-calcitonin sheep polyclonal antibody conjugated with europium cryptate, buffer, bovine albumin, non-immunized mice immunoglobulins, potassium fluoride)</li> <li>• XL665 CONJUGATE (1 vial): freeze-dry (anti-katacalcine monoclonal antibody conjugated with XL665, buffer, bovine albumin, non-immunized mice immunoglobulins, potassium fluoride)</li> <li>• DILUENT (1 vial): ready-to-use (human serum, Kathon, EDTA)</li> </ul>
<b>Additionally required materials</b>	
82591	Calibrator: B-R-A-H-M-S PCT sensitive KRYPTOR CAL
82592	Control: B-R-A-H-M-S PCT sensitive KRYPTOR QC
<b>Required equipment</b> See Instruction for Use	

B-R-A-H-M-S PCT SENSITIVE KRYPTOR is **CE marked** and **FDA 510(k) cleared**.

**Manufacturer**

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The manufacture and/or use of this product is covered by one or more of the following patents: EP2028493, DE19903336, EP1026506, US7723492, JP5215250, JP5219939, EP2174143, JP5059943, JP5185460, EP2293076, EP2301626, EP2084545, CN101553733, HK1137807, JP5663531, JP5058263, US8465941, EP2548031, CN102939542, HK1180392, JP5681219, RU2611371, US8748195, ZA201206633, EP2320237, CN102081101, HK1156690, JP5722587, US8383332, EP2545379, CN102822675, JP5798133, RU2580278.

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