Thermo Scientific B·R·A·H·M·S PCT-Q

Immunochromatografic point-of-care test for the determination of PCT (Procalcitonin) in serum and plasma

Assay characteristics

- One-step immunochromatographic assay (sandwich principle) using immunogold labelling
- Sample matrix: Serum or plasma
- Sample volume: 200 µL
- Incubation time: 30 min at room temperature (18-30 °C)
- Result: Semi-quantitative
- Measuring range: <0.5 µg/L, 0.5-2 µg/L, 2-10 µg/L, >10 µg/L

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Thermo Scientific B·R·A·H·M·S PCT-Q

Reliability and reproducibility

Thermo Scientific B·R·A·H·M·S PCT-Q shows a high degree of reliability and reproducibility in the determination of serum/plasma PCT concentrations. Semi-quantitative concentration ranges obtained with Thermo Scientific B·R·A·H·M·S PCT-Q correlate closely with the quantitative results obtained with Thermo Scientific B·R·A·H·M·S PCT LIA.

Thermo Scientific B·R·A·H·M·S PCT-Q achieves 90-92% of diagnostic sensitivity and 92-98% of diagnostic specificity when compared with the clinical use of Thermo Scientific B·R·A·H·M·S PCT LIA.

For **quantitative determination of PCT concentrations**, *e.g.* for monitoring purposes, other (quantitative) assays like Thermo Scientific B·R·A·H·M·S PCT LIA are available. (Please contact Thermo Fisher Scientific (B·R·A·H·M·S GmbH) for information regarding assay availability in your country.)

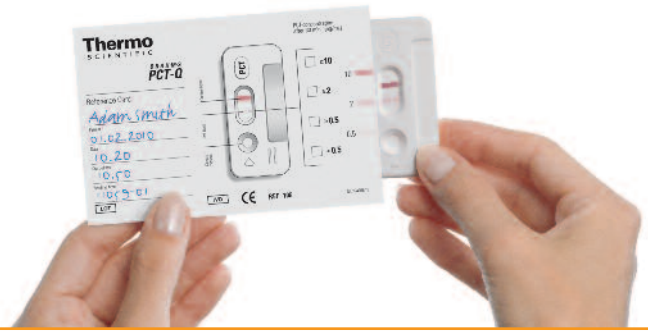
Kits available

Thermo Scientific B·R·A·H·M·S PCT-Q Art. No. 106.025

- 25 tests plus 25 reference cards
- 1 test strip and 1 pipette per single test

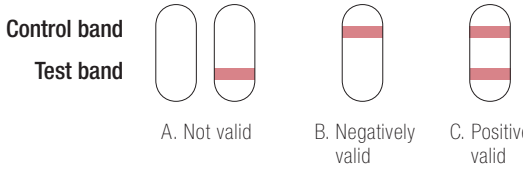
Test procedure

- Pipette **200 µL of serum/plasma** into the round cavity. Document the time on the reference card.
- **Incubate for 30 minutes at room temperature.**
- After 30 minutes (max. 45 minutes), **determine the PCT concentration range** of the sample by **comparing the colour intensity of the test band with the colour blocks of the reference card** (see ill. 1).



ill. 1

CAVE: Result is valid only in case of a clearly visible control band (see ill. 2).



ill. 2

A. **No band or only test band visible:** tests which show no control band are not valid and may not be evaluated.
B. **Only control band visible:** tests which show only a control band are negatively valid. The PCT concentration is <0.5 µg/L.
C. **Control and test band visible:** tests which show both a control band and a test band are positively valid.

- **Document the result** by marking the respective colour block on the reference card.
- **Archive the reference card** with the test result in the patient file (peel off the covering paper from the reverse of the reference card to uncover adhesive tape).

CE

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Clinical Diagnostics

Thermo Fisher Scientific
B·R·A·H·M·S GmbH
Neuendorfstr. 25
16761 Hennigsdorf
Germany

+49-(0)3302-883-0
+49-(0)3302-883-100 fax
info.pct@thermofisher.com

www.thermoscientific.com/brahms
www.thermoscientific.com/copeptin
www.thermoscientific.com/procalcitonin
www.thermoscientific.com/kryptor

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