Thermo Scientific
B·R·A·H·M·S PCT-Q

Immunochromatographic 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
Reliability and reproducibility


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.)

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).

Kits available

Thermo Scientific B-R-A-H-M-S PCT-Q

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

Test procedure

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- 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).

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

Control band
Test band

A. Not valid
B. Negatively valid
C. Positively valid

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).