



INSTRUCTIONS FOR USE

PROCALCITONIN RAPID TEST

Detection in Serum / Plasma

Only for professional in vitro diagnostic use

Product Code: TPCT01

INTENDED USE

rocalciton in Test is a rapid qualitative immunoassay for the detection of Procalciton in human serum/plasma samples. It is used for diagnosing and controlling the eatment of severe, bacterial infection and sepsis.

BACKGROUND INFORMATION

tomprises 116 amino acid residues with a molecular weight of approximately 13 kDa which was first described by Moullec in C-cells of the thyroid glands. In 1993, the elevated level of PCT in patients with a system infection of bacterial origin was the main marker of disorders accompanied by systemic inflammation and sepsis. The diagnostic value OPCTs important T concentration and the severity of inflammation. It was shown that "inflammatory" PCT is not produced in C-cells. Cells of source of PCT during inflammation.

REAGENTS

METHOD

PRECAUTIONS AND LIMITATIONS

- 1. For Professional and in vitro diagnostic use only.
 2. Do not use test kit beyond expiry date. The test device is single use, Do not reuse.
 3. The test device should remain ints original sealed pouch until usage. Do not use the test if the seal is broken or the pouch is damaged.
 4. Wear disposable gloves while performing the test.

- 3. The test device should remember the state of the state

SAMPLE COLLECTION AND PREPARATION

For Serum Samples: Collect blood into a collection tube without anticoagul the end of centrifuge period remaining supernalant is used as serum

TEST PROCEDURE

- Take the test device out of its pouch. Bring the tests and serum / plasma samples to room temperature. Draw whole blood / serum / plasma into dropper and put 4 drops (120 µt) into the sample well of the cassette. Avoid the formation of any air bubbles. Results should be read at 15 minutes as shown below. Do not interpret results beyond 20 minutes, results for
- INTERPRETATION OF RESULTS

Negative: One colored line appears in the Control Zone (C) within 15 minutes. No colored line appears in the Test Zone (T), It is indicated that the amount of Procalc in the sample is below 0,5 mg/ml.

Positive: Additional to read a colored line in the control region a red line in the test region appears. This result indicates that Procalcitonin could be detected. The intensity of the lines may be different. The amount of Procalcitonin can be assessed of the test line intensity to the reference line intensities on the interpretation card. Invalid: No colored line appears in the Control Zone (C) within 15 minutes. The test results is invalid, repeat the test with a new test device.





QUALITY CONTROL

Tests have built in procedural quality control features. When the test is complete, the user will see a colored line in the "C" area of the test on negative samples and a colored line in the "T" and "C" area on positive samples. The appearance of the control "C" line is considered as an internal procedural control. This line indicates that sufficient volume of sample was added as well as valid test result. It is recommended that a negative control and a positive control be used to verify proper test performance as an external control. Users should follow appropriate federal, state and local guidelines concerning the external quality controls.

PERFORMANCE EVALUATION

Sensitivity and Specificity

Sensitivity: 98.11% Specificity: 98.89%			Procalcitonin Test		
			+	-	Total
	Another brand	+	52	1	53
			2	178	180
			54	179	233

Cut-off: 0,5 ng/ml

CROSS REACTIVITY

INTERFERENCES

REFERENCES

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