

آزمایشگاه پاتوبیولوژی و ژنتیک آرامش (شبانہ روزی)

سعادت اباد میدان کاج کوچہ 9 پلاک 2

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ص 0/0

Test : Coronavirus & COVID19 PCR

Method: Real Time RT PCR

Specimen:	Throat & Nasal Swab
Results:	2019-nCoV RNA: <b>Positive</b>
CT (Cycle Threshold) :	

**Description:**

Novel coronavirus (2019-nCoV) nucleic acid diagnostic kit (PCR Fluorescent Probing) is used for qualitative detection of the E, N and RpRd genes of novel coronavirus (2019-nCoV) as well as internal control for extraction quality control.

**Method:**

Viral RNA extraction – purification and performed with CE, IVD approved kit. Coronavirus RNA were tested with CE, IVD approved Real Time RT PCR kit & Real Time PCR machine.

**Interpretation:**

"Threshold cycle" (Ct) or "Crossing Point": is the indicator for semi-quantitative measurement of virus when fluorescence crosses the PCR cycle number. "The higher the Ct, the smaller the initial amount of DNA/RNA in the specimen.

Ct ≤ 20: An indicator of probable VERY HIGH levels of virus in the specimen.

20 < Ct < 28: An indicator of probable HIGH levels of virus in the specimen.

28 < Ct < 34: An indicator of probable MODERATE levels of virus in the specimen.

Ct ≥ 34: An indicator of probable LOW levels of virus in the specimen.

Weakly Positive: A marker of probable VERY LOW levels of virus in the specimen, near the levels to be undetectable.

Negative/ Undetectable: Indicates that the pathogen may present at a level below the lower limit of this assay.

Specialist Comment:

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