



Atila BioSystem's iAMP COVID-19 Detection Kit and New Variants of Coronavirus

Atila BioSystem's iAMP COVID-19 Detection Kit can detect the original SARS-CoV-2 virus and the following Variants of Concern and Variants of Interest with equal efficacy: Alpha variant (B.1.1.7, GR/501Y.V1), Beta variant (B.1.351, GH/501Y.V2), Gamma variant (P.1, GR/501Y.V3), Delta variant (B.1.617.2, G/478K.V1), Epsilon variant (B.1.427/B.1.429, GH/452R.V1), Zeta variant (P.2, GR/484K.V2), Eta variant (B.1.525, G/484K.V3), Theta variant (P.3, GR/1092K.V1), Iota variant (B.1.526, GH/253G.V1), Kappa variant (B.1.617.1, G/452R.V3), and Lambda variant (C.37, GR/453Q.V1). In addition, Variant B.1.617.3 and the Delta Plus Variant (B.1.617.2.1) are also detectable by iAMP COVID-19 Detection Kit with equal efficacy to the original SARS-CoV-2 strain.

Atila's detection kit targets the N gene and ORF1ab gene to detect the virus. *In silico* analysis was performed and **NONE** of those mutations identified with the above-mentioned variants are in the primer binding regions of the segments that Atila targets.

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