

AccuPlex™ SARS-CoV-2 Variant Panels

CLINICAL DIAGNOSTIC QUALITY SOLUTIONS FOR SARS-COV-2 VARIANT ANALYSIS

HIGHLIGHTS

NON-INFECTIOUS
AND REPLICATION
DEFICIENT; ENSURES
SAFE HANDLING IN
CONTRAST TO VIRAL
SAMPLES

FULLY EXTRACTABLE
WITH A REAL VIRAL
PROTEIN COAT;
SUPERIOR TO "NAKED"
TRANSCRIBED RNA

2 YEAR STABILITY AT
2 - 8°C

AccuPlex SARS-CoV-2 Variant Panels offer complete SARS-CoV-2 genome coverage with a focus on S-gene mutations (Table 1) in prominent variants of concern (VOC). Each kit has one vial for each included variant as well as a fourth wild type (reference sequence NC_045512) control vial. An RNase P negative control vial is also included.

Product Description	Material Number	Strain	Pack Size	Concentration
AccuPlex SARS-CoV-2 Variant Panel 1	0505-0241	UK B.1.1.7 S. Africa B.1.351 Brazil P.1 Wuhan Wild Type RNase P negative	Positive 4 x 1.5 mL Negative 1 x 1.5 mL	Positive 15,000 cp/mL Negative 5,000 cp/mL
AccuPlex SARS-CoV-2 Variant Panel 2	0505-0276	Kappa B.1.617 Delta B.1.617.2 Delta Plus AY.1 Wuhan Wild Type RNase P negative		

Not for In Vitro Diagnostic Use. Research Use Only.

SARS-COV-2 VARIANT SOLUTION:

- Performance confirmation of existing SARS-CoV-2 molecular assays with different variants
- Reference materials for SARS-CoV-2 variant genotyping assays
- Reference materials for SARS-CoV-2 NGS assays

MOST 'PATIENT SAMPLE-LIKE' MATERIAL EVALUATES ENTIRE WORKFLOW

Unlike RNA-spiked buffer, or technologies that package viral RNA into a bacteriophage, the AccuPlex recombinant closely resembles the wild-type mammalian pathogenic virus. This enables the release of the viral genome at a similar rate to the wild-type virus during the nucleic acid sample preparation process. AccuPlex recombinant material mimics a real patient sample in your workflow, serving as a full-process control for your assay.

ORDERING INFORMATION

To place an order, or learn more about our SARS-CoV-2 Quality Solutions, please contact us at +1.508.244.6400 and 800.676.1881 or email CDx-CustomerService@lgcgroup.com.

ABOUT LGC SERACARE

TRUSTED SUPPLIER
TO THE DIAGNOSTIC
TESTING INDUSTRY
FOR OVER 30 YEARS

HIGH-QUALITY
CONTROL PRODUCTS,
RAW BIOLOGICAL
MATERIALS, AND
IMMUNOASSAY
REAGENTS

INNOVATIVE TOOLS
AND TECHNOLOGIES
TO PROVIDE
ASSURANCE IN
DIAGNOSTIC ASSAY
PERFORMANCE AND
TEST RESULTS

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Amino Acid Change	Nucleotide Change	UK B.1.1.7	S. Africa B.1.351	Brazil P.1	Kappa B.1.617	Delta B.1.617.2	Delta Plus AY.1
L18F	C21614T			X			
T19R	C21618G					X	X
T20N	C21621A			X			
P26S	C21638T			X			
HV 69-70 deletion	21765-21770 deletion	X					
D80A	A21801C		X				
T95I	C21846T				X	X	X
Silent	T21895C				X		
D138Y	G21974T			X			
G142D	G21987A				X	X	
Y144 deletion	21991-21993 deletion	X					
E154K	G22022A				X		
E156G	22029-22034 delAGTTCA					X	X
F157 and R158Del	22029-22034 delAGTTCA					X	X
R190S	G22132T			X			
D215G	A22206G		X				
242_244 DelLAL	22286-22294 Del		X				
W258L	G22335T						X
K417N	G22813T		X				X
K417T	A22812C			X			
L452R	T22917G				X	X	X
T478K	C22995A					X	X
E484K	G23012A		X	X			
E484Q	G23012C				X		
N501Y	A23063T	X	X	X			
A570D	C23271A	X					
D614G	A23403G	X	X	X	X	X	X
H655Y	C23525T			X			
P681H	C23604A	X					
P681R	C23604G				X	X	X
A701V	C23664T		X				
T716I	C23709T	X					
D950N	G24410A					X	X
S982A	T24506G	X					
T1027I	C24642T			X			
Q1071H	A24775T				X		
D1118H	G24914C	X					
V1176F	G25088T			X			

Table 1: Mutations and variant strains contained in the AccuPlex SARS-CoV-2 Variant Panels

