



AccuPlex™ SARS-CoV-2 Quality Solutions

ASSAY VERIFICATION AND ONGOING PERFORMANCE MONITORING FOR ROUTINE PATIENT TESTING

AccuPlex™ SARS-CoV-2 Verification Panel, coupled with the AccuPlex™ SARS-CoV-2 Molecular Controls Kit, is a complete Quality Solution designed to challenge the entire molecular test procedure ensuring clinical laboratories can have confidence in their SARS-CoV-2 assay results.

AccuPlex™ SARS-CoV-2 Verification Panel is optimized for assay verification at installation by documenting test performance along the assay's range enabling laboratories to establish lower limits of detection, perform assay comparisons, and evaluate staff proficiency. The product contains positive materials including the full SARS-CoV-2 viral genome, and negative materials targeting the human RNase P gene.

Product Description	Material Number	Sequence Coverage	Pack Size	Concentration	
AccuPlex™ SARS-CoV-2 Verification Panel	0505-0168	Full Genome	Positive 1	1 x 3 mL	100,000 copies/mL
			Positive 2	1 x 3 mL	10,000 copies/mL
			Positive 3	1 x 3 mL	1,000 copies/mL
			Negative	1 x 3 mL	5,000 copies/mL (RNase P)

Not for In Vitro Diagnostic Use. Research Use Only.

AccuPlex™ SARS-CoV-2 Molecular Controls Kit is designed to measure day-to-day performance of the assay. The product contains positive materials including the full SARS-CoV-2 viral genome, and negative materials targeting the human RNase P gene. The controls are formulated for use with in vitro diagnostic test methods that detect SARS-CoV-2 virus, the causative agent of COVID-19 disease.

Product Description	Material Number	Sequence Coverage	Pack Size	Concentration	
AccuPlex™ SARS-CoV-2 Molecular Controls Kit	0505-0159	Full Genome	Positive	5 x 1.5 mL	5,000 copies/mL
			Negative	5 x 1.5 mL	5,000 copies/mL (RNase P)

For In Vitro Diagnostic Use. CE-IVD Marked.

For custom requests, please contact sarscov2@seracare.com.

SARS-CoV-2 AccuPlex solution:

- Non-infectious and replication deficient, enables 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

To learn more about AccuPlex SARS-CoV-2 Quality Solutions visit:

www.seracare.com/SARSCoV2 or contact customer service at 800.676.1881

HIGHLIGHTS

OFFERING FULL VIRAL GENOME COVERAGE - COMPATIBLE WITH ANY SARS-COV-2 TARGET OF INTEREST

REAL MAMMALIAN VIRUS ENABLES FULL-PROCESS QC FOR RT-PCR BASED VIRAL DISEASE ASSAYS

NON-INFECTIOUS AND REPLICATION DEFICIENT; ENSURES SAFETY DURING ASSAY DEVELOPMENT AND END-USER QC APPLICATIONS

ABOUT SERACARE

TRUSTED SUPPLIER
TO DIAGNOSTIC
MANUFACTURERS AND
CLINICAL LABS 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

FOR MORE
INFORMATION, PLEASE
VISIT OUR WEBSITE:
WWW.SERACARE.COM

LGC SeraCare's AccuPlex recombinant material serves as a true full process molecular control for your diagnostic assays. Compatible with multiplexed RT-PCR and NGS-based assays, AccuPlex custom recombinant materials are constructed with a replication-deficient mammalian virus, producing a safe, non-infectious material (Figure 1). With a protein coat and lipid bilayer, these mammalian virus-based reference materials resemble the complexity of virus targets found in true patient samples.

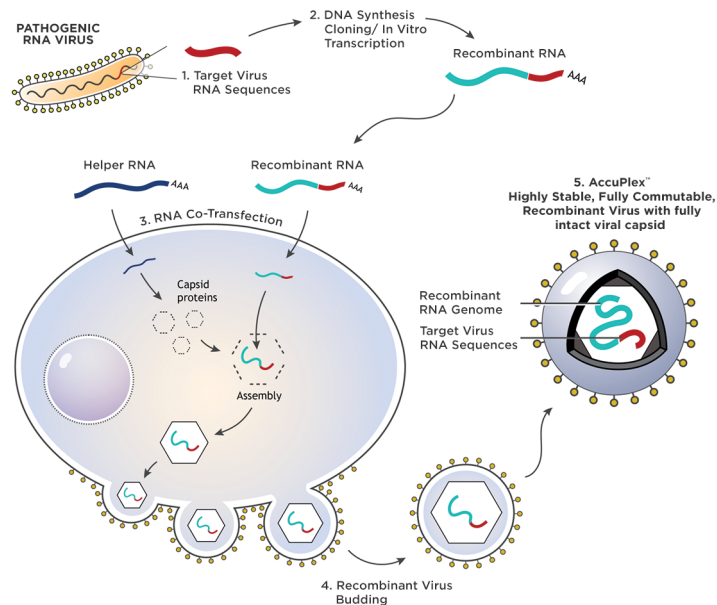


FIGURE 1: 1) RNA sequence from the pathogenic virus of interest is chosen. 2) DNA synthesis and cloning occur to produce the recombinant RNA. 3) Recombinant RNA and helper RNA are co-transfected into the mammalian cells, allowing the encapsulation of recombinant RNA. 4) Exocytosis of the mature enveloped non-infectious and replication deficient RNA virus containing the assay target RNA sequence of interest

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.

ACCUPLEX SOLVES ASSAY DEVELOPMENT CHALLENGES

If you're developing diagnostics for emerging viral diseases and have the challenge of including safe, non-infectious controls in your test kit, partner with SeraCare's talented R&D team to produce your custom AccuPlex recombinant virus material (DNA or RNA-based). Utilizing your sequences of interest and product specifications, we will develop a custom solution which meets your unique requirements.

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 customerservice@seracare.com.

