



AccuPlex™ SARS-CoV-2 & Flu Multiplexed Quality Solutions

ASSAY VERIFICATION AND ONGOING PERFORMANCE MONITORING FOR ROUTINE PATIENT TESTING

AccuPlex™ SARS-CoV-2, Flu A/B and RSV Verification Panel and Reference Material Kit offer a complete Quality Solution designed for use with multiplexed molecular assays that can detect SARS-CoV-2, influenza A/B and respiratory syncytial virus (RSV). These reference materials are designed to challenge the entire molecular test procedure ensuring clinical laboratories can have confidence in their multiplex assay results.

AccuPlex™ SARS-CoV-2, Flu A/B and RSV 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.

AccuPlex™ SARS-CoV-2, Flu A/B and RSV Reference Material Kit is designed to measure day-to-day performance of the assay, providing both a positive and a negative reference solution.

HIGHLIGHTS

COMPATIBLE WITH
MULTIPLEX MOLECULAR
ASSAYS TARGETING
SARS-COV-2, FLU A/B
AND RSV

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

Product Description	Material Numbers	Pack Size	Concentration	Release Testing
AccuPlex™ SARS-CoV-2, Flu A/B and RSV Verification Panel	0505-0183	Positive 1 1 x 3 mL Positive 2 1 x 3 mL Positive 3 1 x 3 mL Negative 1 x 3 mL	100,000 copies/mL 10,000 copies/mL 1,000 copies/mL 5,000 copies/mL (RNase P)	US CDC Influenza SARS-CoV-2 (Flu-SC2) Multiplex Assay
AccuPlex™ SARS-CoV-2, Flu A/B and RSV Reference Material Kit	0505-0174	Positive 5 x 1.5 mL Negative 5 x 1.5 mL	5,000 copies/mL 5,000 copies/mL (RNase P)	Cepheid GeneXpert® Xpress SARS-CoV-2 and Flu/RSV Assays

Not for In Vitro Diagnostic Use. Research Use Only.

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

SARS-CoV-2, Flu A/B and RSV 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
- Optimized for assay verification and day-to-day performance monitoring
- 2 year stability at 2 - 8°C

Table 1: Regions included in AccuPlex SARS-CoV-2, Flu A/B and RSV Positive Reference Material

Virus	Genbank Accession #	Regions Included
Influenza A	KU933490 - KU933497	Full Genome
Influenza B	CY236601.1 - CY236608.1	Full Genome
RSV	NC_001803	1..4380; 8460..15191
SARS-CoV-2	NC_045512.2	Full Genome

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

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

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TO PROVIDE
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DIAGNOSTIC ASSAY
PERFORMANCE AND
TEST RESULTS

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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.

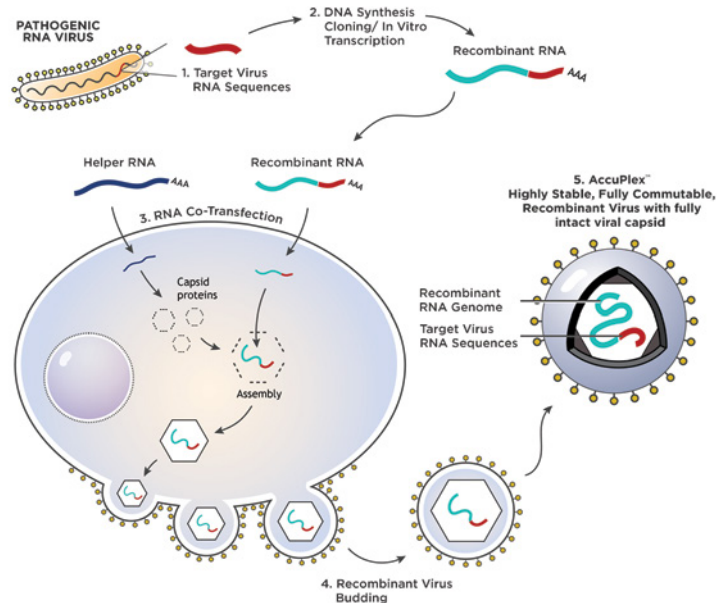


FIGURE 1: 1) RNA sequence from the pathogenic virus of interest is chosen. 2) DNA synthesis and cloning occur to produce the recombinant RNA. 3) Recombinant RNA and helper RNA are co-transfected into the mammalian cells, allowing the encapsulation of recombinant RNA. 4) Exocytosis of the mature enveloped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



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