

AccuPlex™ SARS-CoV-2, Flu A/B and RSV Molecular Controls Kit

ONGOING PERFORMANCE MONITORING FOR ROUTINE PATIENT TESTING

HIGHLIGHTS

COMPATIBLE WITH MULTIPLEXED MOLECULAR ASSAYS THAT DETECT 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

AccuPlex SARS-CoV-2, Flu A/B and RSV Molecular Controls Kit is a full-process quality solution designed to challenge the entire multiplexed molecular test procedure from extraction to detection, ensuring clinical laboratories can have confidence in their assay results. The product contains positive materials directed against targets for SARS-CoV-2, influenza A/B and respiratory syncytial virus (RSV), and negative materials targeting the human RNase P gene. Product is released using the Cepheid GeneXpert® Xpress SARS-CoV-2/Flu/RSV Assay.

Product Description	Material Number	Pack Size	Concentration
AccuPlex SARS-CoV-2, Flu A/B and RSV Molecular Controls Kit	0505-0260	Positive 5 x 1.5 mL Negative 5 x 1.5 mL	5,000 copies/mL 5,000 copies/mL (RNase P)

For In Vitro Diagnostic Use. CE-IVD marked.

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
- Long shelf life: 2 year stability at 2 - 8°C

Table 1: Regions included in AccuPlex Positive Reference Material

Virus	Genbank Accession #	Strain Information	Regions Included
Influenza A	KU933490 - KU933497	A/Michigan/45/2015(H1N1)	Full Genome
Influenza B	CY236601.1 - CY236608.1	B/Colorado/06/2017	Full Genome
RSV	NC_001803	Subtype A	1..4280; 5619..15191
SARS-CoV-2	NC_045512.2	Wuhan-Hu-1	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

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

FOR MORE
INFORMATION, PLEASE
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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.

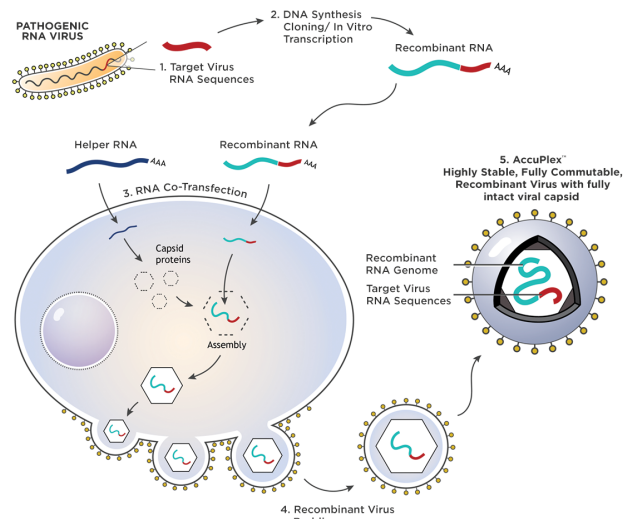


FIGURE 1: 1) RNA sequence from the pathogenic virus of interest is chosen. 2) DNA synthesis and cloning occur to produce the recombinant RNA. 3) Recombinant RNA and helper RNA are co-transfected into the mammalian cells, allowing the encapsulation of recombined RNA. 4) Exocytosis of the mature enveloped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



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