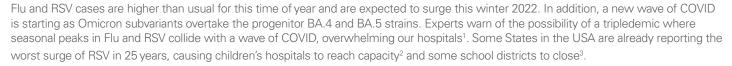
Tripledemic Viruses - RSV, FLU & COVID

New High Sensitivity Antibody Pairs Ideal for Multiplex Tests



A key focus for managing the tripledemic will be diagnostic testing that can differentiate SARS-CoV-2 from RSV and Flu A and Flu B. Rapid point-of-care lateral flow assays pose a significant benefit for clinicians as it allows them to differentially diagnose a patient with respiratory symptoms using a single swab, all within one appointment. A successful multiplex assay must demonstrate high specificity for each disease with no cross-reactivity. In addition, the sensitivity of the assay needs to meet the same limit of detection as a singleplex assay in order to be effective. This requires using monoclonal antibodies that have high affinity and specificity for their target molecule.

Top performing pairs with low cross-reactivity ideal for multiplex assays

Meridian Life Science has several high performing pairs for RSV, Flu A, Flu B and SARS-CoV-2 which are ideal for use in a multiplex rapid lateral flow assay.

MAbs to SARS-CoV-2 Nucleocapsid

Capture #9547 [†]	Detection #9548 [†]
Capture #BN1060 *	Detection #BN1061*

MAb to RSV Fusion Protein

Capture #C01769M	Detection #C01773M
Capture #C65063M	Detection #C65065M

 $^{^{\}dagger}$ Pair detects Omicron down to 1.31 x 10 $^{\circ}$ PFU/mL, and 1.88 x 10 $^{\circ}$ PFU/mL for other variants.

MAb to Flu A Nucleoprotein

Capture #BN1072*	Detection #BN1071*
Capture #BN1073 *	Detection #BN1071*
Capture #BN1074 *	Detection #BN1071*
Capture #C01736M	Detection #C01731M
Capture #C01732M	Detection #C01731M

MAb to Flu B Nucleoprotein

Capture #BN1075 *	Detection #BN1076*
Capture #C01746M	Detection #C01747M
Capture #C01747M	Detection #C01744M
Capture #C01744M	Detection #C01897M

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^{*}New Product.

 $^{1.\} www.wsj.com/articles/rsv-influenza-covid-19-tripledemic-this-winter-11667560508$

^{2.} www.today.com/health/tripledemic-winter-2022-states-hit-hardest-rcna55983

^{3.} www.courier-journal.com/story/news/local/2022/11/07/kentucky-school-districts-closed-by-fluoutbreak-as-tripledemic-looms/69626582007