



TECHNICAL DATA SHEET

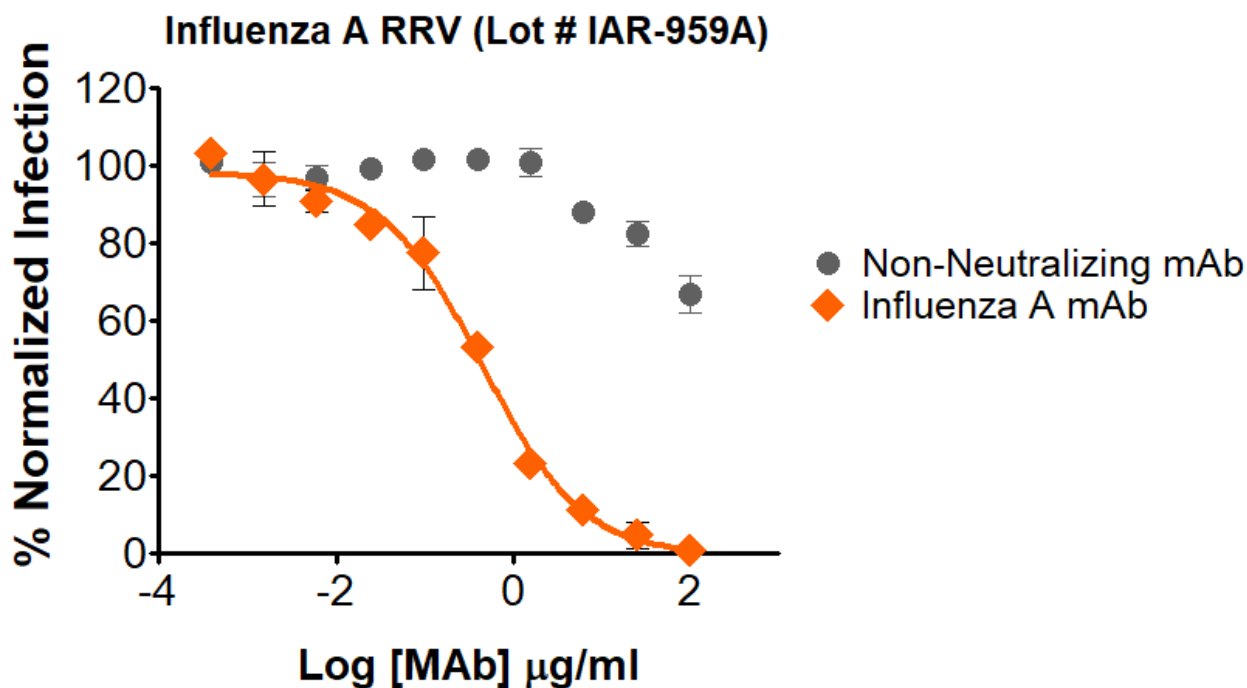
Ready Reporter Virus™ Kit

DESCRIPTION	
Product	Influenza A Ready Reporter Virus™ (RRV) Kit
Catalog #	RRK-1215
RRV Subtype	H3N2
RRV Strain	Massachusetts/18/2022
Reporter	Fluorescent (FRET substrate) Ex. 409 nm, Em. 447/520 nm
Target Cells	MDCK-derived Ready Reporter Virus target cells
Viral Titer	4.69 x 10 ⁶ TU/mL
Particle Input Volume	10µL per well (96-well plate)
Enhancer Input Volume (added to cells)	138 µL
Storage & Stability	< -80°C upon receipt; storing Target Cells at <-150°C may prolong shelf life. Kit components are for single use. Re-freezing risks complete loss of viral activity and cell viability—avoid entirely.
Mycoplasma Test	Negative
Expiration	Three months from receipt

INDIVIDUAL COMPONENTS LIST		
Catalog #	Description	Lot Number
RRV-1215	H3N2 A/Massachusetts/18/2022 RRV particles	IAR-959A
C-MK203	MDCK-derived RRV target cells	TA-040926-MC
RRE-100	100X Fusion Signal Enhancer	SE-981

QC ASSAY FOR FUNCTIONAL KIT TESTING	KIT QC RESULT
Infectivity of Influenza A H3N2 RRV particles was determined in MDCK-derived RRV target cells. Neutralization of Influenza A H3N2 RRV particles was performed with a broadly neutralizing monoclonal antibody and non-neutralizing monoclonal antibody.	PASS

NEUTRALIZATION DATA



RRV neutralization assay utilized 10 μL /well of Influenza A H3N2 RRV particles in a 96-well plate. MDCK-derived RRV target cells were infected with Influenza A H3N2 RRV particles. Infection was detected with an Intellicyt iQue flow cytometer using the VL-1 channel (Ex. 409 nm, Em. 447 nm). Data represents the average of three replicates.