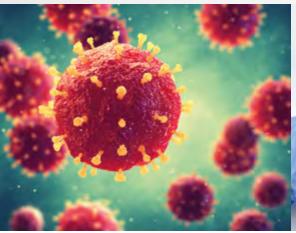


# **GeneProof**

## Respiratory Infections

### **GeneProof Flu Multiplex PCR Kit**





## MORE INFORMATION WITH LESS SAMPLES

- Detects and distinguishes Influenza A,
   Influenza B and RSV in a single reaction tube
- Suitable for differential diagnostics of infectious agents causing Flu and Flu-like symptoms

#### WHO RECOMMENDED DESIGN

 Dual target detection of Influenza A (NP gene/M gene) and Influenza B

## SINGLE TUBE READY-TO-USE MASTER MIX

- Contains all components for PCR amplification
- No additional PCR reagents pipetting necessary

#### **HIGH SPECIFICITY**

- Detects all currently known Influenza A serotypes including H1N1, H1N1pdm09, H3N2, H5N8 and H7N9
- Detects both *Influenza* B lineages Victoria and Yamagata
- Detects RSV A and RSV B

#### **CONTAMINATION ELIMINATION**

 Ready-to-Use Master Mix contains Uracil-DNA glycosylase (UNG) and dUTPs eliminating contamination with amplification products







- + GeneProof Adenovirus PCR Kit
- + GeneProof Aspergillus PCR Kit
- + GeneProof Bordetella pertussis/ parapertussis PCR Kit
- + GeneProof Enterovirus PCR Kit
- + GeneProof Chlamydia pneumoniae PCR Kit
- + GeneProof Legionella pneumophila PCR Kit
- + GeneProof Flu Multiplex PCR Kit
- + GeneProof Mycoplasma pneumoniae PCR Kit
- + GeneProof Mycobacterium tuberculosis PCR Kit

TECHNOLOGY	real-time PCR			
TYPE OF ANALYSIS	qualitative			
TARGET SEQUENCE	specific region in M gene and NP gene for Influenza A virus two specific regions in HA gene for Influenza B virus specific region in M gene for Respiratory syncytial virus A and B			
ANALYTICAL SPECIFICITY	Influenza A virus, Influenza B virus and Respiratory syncytial virus A and B, 100 %			
ANALYTICAL SENSITIVITY (LOD)	reaches up to 25.75 cp/ml with the probability of 95 % for Influenza A virus (on INFA Medium Q Control, Qnostics, using manual extraction GeneProof PathogenFree RNA Isolation Kit) reaches up to 161.64 cp/ml with the probability of 95 % for Influenza A virus (on INFA Medium Q Control, Qnostics, using automatic extraction croBEE NA16 Nucleic Acid Extraction System) reaches up to 7.25 cp/ $\mu$ l with the probability of 95 % for Influenza B virus (on Amplirun* Influenza B RNA control, Vircell) reaches up to 43.57 cp/ $\mu$ l with the probability of 95 % for Respiratory syncytial virus (on Amplirun* RSV A RNA control, Vircell)			
DIAGNOSTIC SPECIFICITY	100.00% (Cl <sub>95%</sub> : 79.95%-100.00%)			
DIAGNOSTIC SENSITIVITY	92.31% (Cl <sub>95%</sub> : 80.60%-97.51%)			
EXTRACTION/INHIBITION CONTROL	PCR inhibition and RNA extraction efficiency control			
VALIDATED SPECIMEN	aspirate, BAL, swab, transport medium: Sigma MM*, Sigma Virocult*			
STORAGE	-20 ± 5 °C			
VALIDATED EXTRACTION METHODS	croBEE NA16 Nucleic Acid Extraction System GeneProof PathogenFree RNA Isolation Kit			
INSTRUMENTS	croBEE Real-Time PCR System** Applied Biosystems 7500 Real-Time PCR System CFX96™/ Dx Real-Time PCR Detection System LineGene 9600 Plus			
REQUIRED DETECTION CHANNELS	FAM, HEX, Cy5, TexRed			
EXTERNAL QUALITY ASSESSMENT	Regularly tested by QCMD and Instand e.V. External Quality Assessment Panels-results at www.geneproof.com			
REGULATORY STATUS	CE IVD			

<sup>\*</sup> Only in combination with GeneProof PathogenFree RNA Isolation Kit

PRODUCT NAME	TECHNOLOGY	ORDER NO.		
		25 REACTIONS	50 REACTIONS	100 REACTIONS
GeneProof Flu Multiplex PCR Kit	real-time PCR	FLU/GP/025	FLU/GP/050	FLU/GP/100

<sup>\*\*</sup> Validated instrument