



GeneProof

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



COMPATIBLE WITH A WIDE RANGE OF REAL-TIME PCR DEVICES



CERTIFIED DIAGNOSTIC TEST



- + 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 <i>M</i> gene and <i>NP</i> gene for <i>Influenza A</i> virus two specific regions in <i>HA</i> gene for <i>Influenza B</i> virus specific region in <i>M</i> gene for <i>Respiratory syncytial virus A</i> and <i>B</i>
ANALYTICAL SPECIFICITY	<i>Influenza A</i> virus, <i>Influenza B</i> virus and <i>Respiratory syncytial virus A</i> and <i>B</i> , 100 %
ANALYTICAL SENSITIVITY (LOD)	reaches up to 25.75 cp/ml with the probability of 95 % for <i>Influenza A</i> 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 <i>Influenza A</i> virus (on INFA Medium Q Control, Qnostics, using automatic extraction croBEE NA16 Nucleic Acid Extraction System) reaches up to 7.25 cp/μl with the probability of 95 % for <i>Influenza B</i> virus (on Amplirun® <i>Influenza B</i> RNA control, Vircell) reaches up to 43.57 cp/μl with the probability of 95 % for <i>Respiratory syncytial virus</i> (on Amplirun® RSV A RNA control, Vircell)
DIAGNOSTIC SPECIFICITY	100.00% (CI _{95%} : 79.95%-100.00%)
DIAGNOSTIC SENSITIVITY	92.31% (CI _{95%} : 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

* Only in combination with GeneProof PathogenFree RNA Isolation Kit

** Validated instrument

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