

# DiAGSure® Influenza Detection Kit

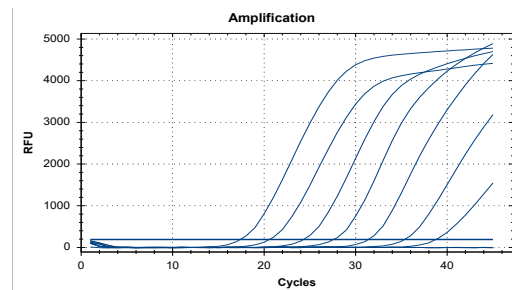
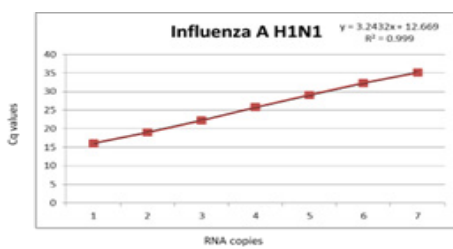


Flu is a contagious respiratory illness caused by influenza viruses that infect the nose, throat, and sometimes the lungs. It can cause mild to severe illness, and at times can lead to death.

**Symptoms:** Influenza (flu) can cause mild to severe illness, and at times can lead to death. Flu is different from a cold. Flu usually comes on suddenly. People who have flu often feel some or all of these symptoms: fever or feeling feverish/chills, cough, sore throat, runny or stuffy nose, muscle or body aches, headaches, fatigue (tiredness), some people may have vomiting and diarrhea, though this is more common in children than adults.

## Specification

<b>Specimen type</b>	: Sputum, BAL, bucco-pharyngeal swab in VTM, blood, etc
<b>Genotype Coverage</b>	: Detects all mutants of H1N1
<b>Technology</b>	: 2-plex TaqMan PCR (one for target, other for internal control)
<b>Turn-around-time</b>	: 1 hr 15 mins
<b>Sensitivity</b>	: The sensitivity of the kit is less than 50 copies of in-vitro transcribed H1N1 RNA.
<b>Specificity</b>	: >=99%



Amplification from serially diluted Influenza A (H1N1) strong positive sample RNA viewed in FAM channel. Machine: BioRad CFX-96.



## Kit Content

Color Coding (Caps)	Reagents	Description
Amber	WRTaqMan Master Mix	Amplification Mix
Amber	Primer-Probe Mix	Amplification Reagent
Yellow	Positive Control (PC)	Positive Control
Blue	Negative Control (NC)	Negative Control
White	DNA Dilution Buffer	Tris-based buffer

## Product specifications comparison with leading kits available in market

(based on information furnished in the company websites)

Specification	GCC (DiAG-Sure)	3B Blackbio (TruPCR)	Altona	GeneSig	Molbio (TruNat)
Flu types	Flu-A/Flu-B/H1N1/H3N2	Flu-A/Flu-B/H1N1/H3N2	Flu-A/Flu-B/H1N1	H1N1-swine flu	Influenza A (H1N1) virus
H1N1 strain	Influenza A (H1N1) pdm09 virus	Influenza 2009 A(H1N1) pdm	Influenza A (H1N1) pdm09 virus	H1N1-swine pandemic strain	Influenza A (H1N1) virus
Sample type	VTM swab	VTM swab	VTM swab	Any	VTM swab
System	Open	Open	Open	Open	Closed
No. of tubes	2	2	1	1	1
IC type	Endogenous	Endogenous	Exogenous	Endogenous	Endogenous
Fluorophores	FAM/HEX/Cy5	FAM/HEX/Tx-Red	FAM/JOE/ROX/Cy5	FAM/VIC	--
Sensitivity	50 RNA copies/rxn	--	3 copies/uL	2 copies/uL	873.02 copies/mL
Run time	1 hr 15 min	1.5 hr	1 hr 45 min	1 hr 20 min	30 min

## Products

Catalog No.	Details	Pack Size
<b>GDQ2007-20/50/100R</b>	DiAGSure® Influenza A H1N1 Detection Kit	20/50/100 tests
<b>GDQ6060-20/50/100R</b>	DiAGSure® Influenza A H3N2 Detection Kit	20/50/100 tests
<b>GDQ6161- 20/50/100R</b>	DiAGSure® Influenza A/B/H1N1/H3N2 Multiplex RT-PCR Kit	20/50/100 tests

# GCC DiAGSure® Panel

### Viral Gastroenteritis

- Adenovirus
- Enterovirus
- Endogenous RNase-P (IC)

### Viral Meningitis

- Herpes Simplex Virus-1 & 2 (HSV-1&2)
- Varicella Zoster Virus (VZV)
- Cytomegalovirus (CMV)
- Japanese Encephalitis Virus (JEV)
- Enterovirus
- Endogenous RNase-P (IC)

### Neuro-10

- Human Adenovirus (hAdV)
- Human Cytomegalovirus (CMV)
- Epstein Barr virus (EBV)
- Varicella zoster virus (VZV)
- Herpes Simplex Virus 1 (HSV-1)
- Herpes Simplex Virus 2 (HSV 2)
- Parvovirus B19
- Enterovirus
- Rhinovirus (RhV)
- Human Parechovirus
- Endogenous RNase-P (IC)

### Bacterial/ Fungal Meningitis

- Neisseria meningitidis
- Streptococcus pneumoniae
- Hemophilus influenzae
- Listeria monocytogenes
- Cryptococcus
- Endogenous RNase-P (IC)