Immediate Flu results you can trust

Xpert® Flu

On-demand STAT test for triage, outbreaks, emergencies, and high-risk patient management
Xpert Flu provides a revolutionary and innovative approach to the problem of fast and specific laboratory diagnosis of influenza. This assay is capable of providing rapid and accurate answers that enable an immediate intervention for optimal treatment and management of patients in all the critical settings.”

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THE NEED
Accurate diagnosis of influenza is critical for clinical management and infection control measures in healthcare settings. While rapid influenza detection tests (RIDTs) have been widely used, the appearance and worldwide spread of 2009 H1N1 virus highlighted the need for reassessing influenza testing programs.

Many studies showed inadequacies of current test methodologies (EIA [Enzyme Immuno Assay], DFA [Direct Fluorescence Assay], viral culture, batch PCR [Polymerase Chain Reaction], and respiratory panel) in both product performance and result turn-around time.\(^1,2,3,4\)

THE SOLUTION
Rapid and accurate determination of Flu A and Flu B infection and identification of 2009 H1N1 strain type at the time of a patient presentation maximizes medical decision making. Xpert\(^{\text{®}}\) Flu delivers:

- Rapid identification of infection, improving isolation and infection-control measures and enhancing patient-flow and bed-utilization
- High clinical value from accurate detection and differentiation of Flu A from Flu B infection and simultaneous identification of 2009 H1N1 flu strain
- Improved lab workflow efficiencies with less than two minutes hands-on time
- On-demand STAT testing with innovative single-use cartridge design
- Initial screening during the Flu season with on-demand Xpert Flu assay reduces needs of multiplex testing
- Accepts Nasal Aspirate/Washes (NA/W) or Nasopharyngeal (NP)
THE IMPACT

Single-test confidence will accelerate your laboratory’s workflow with on-demand, random-access flexibility. Combine performance with the ability to run other tests (such as EV, MTB/RIF, GBS, MRSA, C. difficile, vanA/vanB and CT/NG) on Cepheid’s GeneXpert® System to achieve proven productivity increase in overall laboratory service.

Shift your lab from reactive to proactive

- Achieve same-day containment and improve patient management
- Deliver on-demand results to clinicians in as little as 55 minutes*
- Quickly deliver targeted therapies & peace of mind to patients

IMPACT ON PATIENT ADMISSION & MANAGEMENT AT EMERGENCY ROOM

<table>
<thead>
<tr>
<th>Batch PCR</th>
<th>Cepheid PCR</th>
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<tbody>
<tr>
<td>Patient Pathway</td>
<td>Patient Pathway</td>
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<tr>
<td>Specimen collected and sent for testing</td>
<td>Specimen collected and sent for testing</td>
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<tr>
<td>Patients waiting to be admitted - ER Capacity at critical level</td>
<td>Patients waiting to be admitted - ER Capacity at critical level</td>
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<td>POS</td>
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<td>NEG</td>
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<td>15 minutes</td>
<td>2 hours</td>
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<td>4 hours</td>
<td>5 hours</td>
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<tr>
<td>Samples waiting to accumulate for batch</td>
<td>Samples waiting to accumulate for batch</td>
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<tr>
<td>ID notified and patient in isolation</td>
<td>ID notified and patient in isolation</td>
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<tr>
<td>Patient admitted to general ward</td>
<td>Patient admitted to general ward</td>
</tr>
</tbody>
</table>

IMPACT ON OUTPATIENT PATHWAY

Improving Patient Satisfaction

Xpert Flu provides medically actionable and timely information to clinicians for improved patient management and antibiotic & antiviral stewardships.

Elapsed (mins) | 15 minutes | 25 minutes | 100 minutes | 120 minutes
---|---|---|---|---
Cepheid PCR | Patient Pathway | Patient suspected of influenza | Specimen collected and sent for testing | GeneXpert PCR Flu On-Demand with results in as quickly as 55 mins* | Clinician receives results | FLU A/FLU B/FLU A 2009 H1N1 NEGATIVE | Optimal patient treatment

* for positive specimen
WORKFLOW:

2 EASY STEPS

Total hands-on time: <1 Minute

1. Transfer 300µl of prepared sample into the large hole

2. Insert cartridge and start assay

Ordering Information

Xpert® Flu (10 tests) ............................... GXFLU-CE-10

SPECIMEN KIT REQUIRED FOR PRIMARY SAMPLE COLLECTION AND TREATMENT:

Xpert® Nasopharyngeal Sample Collection Kit (100 swabs) ............................... SWAB/B-100

References:
3. Harper et al., IDSA Guidelines for Seasonal Influenza in Adults and Children • CID 2009:48 (15 April) • 1005