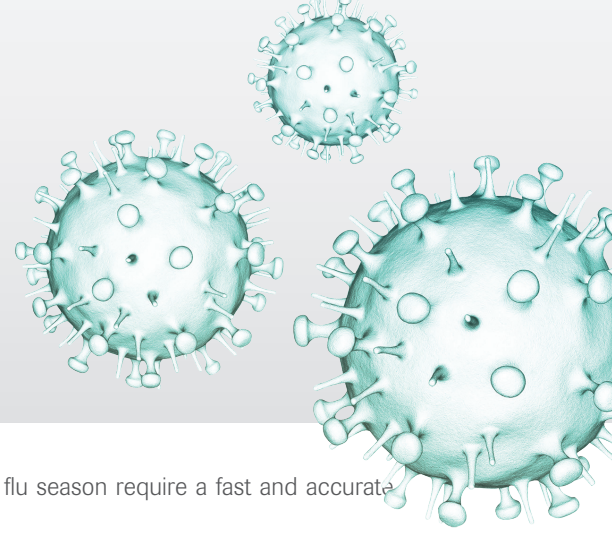# cobas® Influenza A/B
Timely diagnosis,
effective patient management

Influenza affects 5-10% of adults and 20-30% of children each year.[1] The demands of the flu season require a fast and accurate diagnosis for effective clinical management and infection control.

The **cobas**® Influenza A/B Nucleic acid test for use on the **cobas**® Liat® System is a multiplex real-time polymerase chain reaction (PCR) test to detect influenza A and B in ~20 minutes. **cobas**® Influenza A/B can now also be used by healthcare providers in non-traditional testing sites, including emergency rooms, physician offices and other healthcare facilities.

Get the speed and reliability you need to support a timely, accurate diagnosis with the **cobas**® Influenza A/B test. Its lab-quality results provide the reassurance needed when prescribing antiviral treatment.

[1] World Health Organization. Vaccines against influenza. WHO position paper – November 2012 Weekly Epidemiol Record 2012;87(47):461–76.

cobas® Influenza A/B offers:

Lab-quality performance in the detection and differentiation of Influenza A and Influenza B

Fast results with a 20 minute turn-around-time

Simple to use with minimal hands-on-time, easy interpretation of results

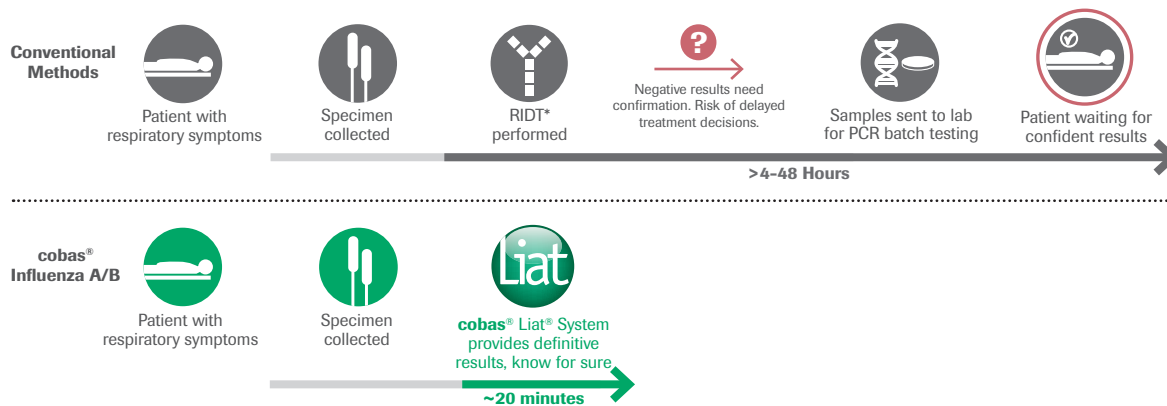**Roche PCR sensitivity** supports confident treatment decisions

cobas® Influenza A/B performance*

	Sensitivity	Specificity	LOD
Influenza A	97.5%	97.9%**	10^{-2}–10^{-1} $TCID_{50}$/mL
Influenza B	96.9%	97.9%**	10^{-3}–10^{-1} $TCID_{50}$/mL

*Compared to viral culture

Influenza A: Of 15 **cobas® Liat® System positive, culture negative specimens, 9 were positive and 6 were negative by PCR/sequencing. Two **cobas**® Liat® System negative, culture positive specimens were positive by PCR/sequencing. Influenza B: Of 16 **cobas**® Liat® System positive, culture negative specimens, 14 were positive and 2 were negative by PCR/sequencing. One **cobas**® Liat® System negative, culture positive specimen was positive by PCR/sequencing and was negative by lab-based RT-PCR.

Example of a patient impact workflow

Conventional Methods

Patient with respiratory symptoms → Specimen collected → RIDT* performed → ? Negative results need confirmation. Risk of delayed treatment decisions. → Samples sent to lab for PCR batch testing → Patient waiting for confident results

>4–48 Hours

cobas® Influenza A/B

Patient with respiratory symptoms → Specimen collected → **cobas**® Liat® System provides definitive results, know for sure

~20 minutes

*RIDT=rapid influenza diagnostic test

From patient sample to definitive results

The **cobas**® Liat® System enables you to run advanced PCR diagnostic tests with speed and simplicity.

Sample

Scan

Start

Patient sample to definitive results, in 20 minutes or less

Add your patient sample to the **cobas**® Liat® assay tube with provided transfer pipette.

Scan assay tube using built-in barcode reader.

Insert assay tube into the **cobas**® Liat® Analyzer.

cobas® Influenza A/B specifications

Instrument	**cobas**® Liat® Analyzer
Targets	Influenza A Influenza B
Sample type	Nasopharyngeal swab
Collection media	Universal Transport Media (UTM)
Sample extraction	Fully automated and integrated
Technology	Real-time RT-PCR
Control	Internal sample processing control, positive and negative controls
Time to result	20 minutes
Reagents	Ready-to-use, pre-packed tube format
Kit storage	2-8°C
Registration	CE-IVD and FDA 510(k) cleared; CLIA waived

cobas® Influenza A/B ordering information

Material number	Description	Qty per unit
08278237702	**cobas**® Influenza A/B ▪ 07341890190 **cobas**® Influenza A/B Test ▪ 07806108190 **cobas**® Influenza A/B Package Insert	20 tests
08278245702	**cobas**® Influenza A/B Quality Control Kit ▪ 07402660190 **cobas**® Influenza A/B Quality Control Kit ▪ 07806116190 **cobas**® Influenza A/B Quality Control Kit Package Insert	3 sets

Material number	System
07341920190	**cobas**® Liat® Analyzer

The **cobas**® Liat® System is available in select markets.

COBAS and LIAT are trademarks of Roche.
All other trademarks are the property of their respective owners.

© 2017 Roche

Roche Molecular Systems, Inc.
4300 Hacienda Drive
Pleasanton, CA 94588
USA
www.molecular.roche.com   **www.cobasliat.com**