

Lab Developed Testing *Solutions*

DEVELOP YOUR LAB, YOUR WAY

The FLOW Solution: Expand your potential today

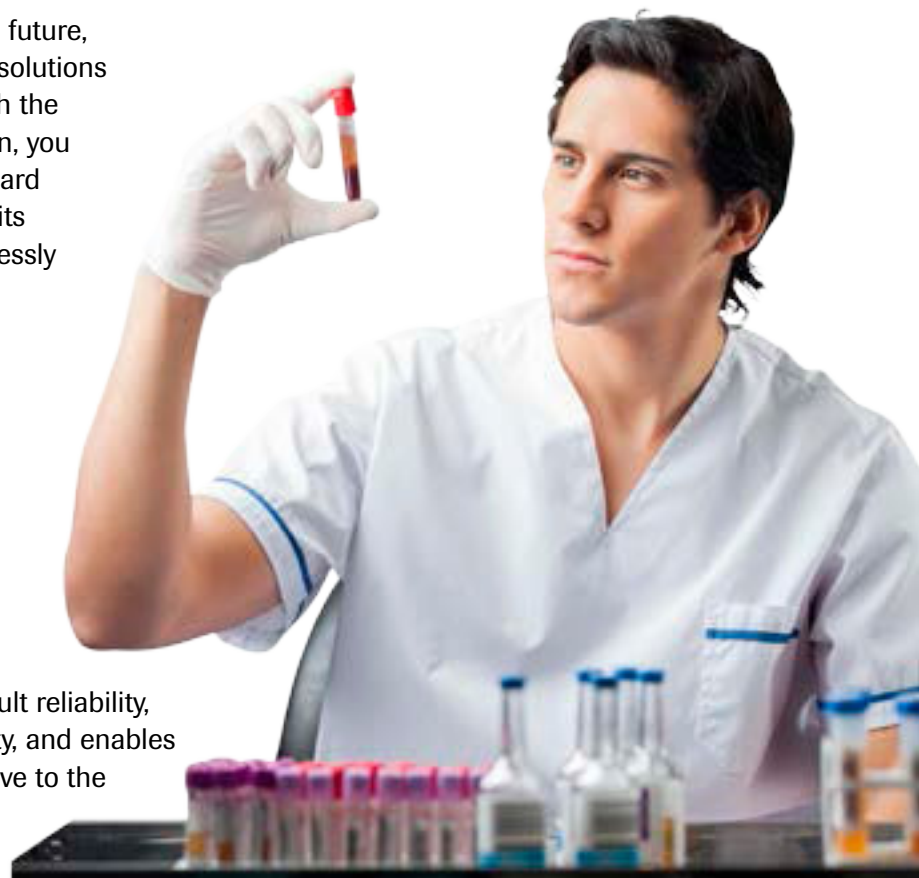


CHANGING THE WORLD OF LABORATORY DEVELOPED TESTING

Laboratories today need workflow flexibility while managing complex data and producing accurate results quickly. Current industry standards involving manual and labor-intensive practices make achieving these objectives more and more challenging.

Roche is dedicated to driving the future, empowering you with innovative solutions to simplify your daily routine. With the introduction of the FLOW Solution, you can now experience a new standard in laboratory efficiency. Through its intelligent software, FLOW seamlessly connects the complete workflow from primary sample handling to qPCR result, while ensuring full traceability of data and direct communication to your laboratory information system (LIS).

forefront of laboratory developed testing – and expand your lab’s potential today.



The FLOW Solution redefines result reliability, sets new standards in productivity, and enables you to deliver reliable results. Move to the



SEAMLESS DATA FLOW IS NOW POSSIBLE

LIS provides information on sample and analysis type

FLOW Software generates worklists and schedules tasks

THE FLOW SOFTWARE

*Redefine data management to reduce errors -
Because decisions rely on the results you provide*

Roche FLOW Software

- > Seamlessly connects and manages all FLOW Solution components
- > Works as a communication hub to existing LIS
- > Minimizes manual intervention to ensure result reliability
- > Provides user guidance to avoid handling errors
- > Ensures traceability by recording the entire workflow details

A standardized lab developed testing solution needs a seamless way to collect, monitor, and analyze data along the entire process. The Roche FLOW Software offers precisely this type of automated control – linking and managing all FLOW Solution components throughout the testing workflow.

This automation allows you to run as many as four separate cycles during a standard working day, while ensuring the highest quality and result safety. Ultimately, the software reduces inconsistent, time-intensive paper reports and sample lists, while recording and preparing data for further analysis within your existing LIS system.



Easy to use interface

www.flow.roche.com

FLOW Software facilitates communication between all modules

FLOW Software retrieves data from a Roche qPCR Instrument

Completed data analysis is relayed back to the LIS

ROCHE FLOW SOLUTION

Experience a convenient and easy workflow

Overall System Benefits

- > Highly automated workflow with minimum hands on time
- > High pipetting speed and multiplex capacity ensure maximum throughput
- > Modular setup and UV-light equipped close housings will minimize cross contamination
- > High end pipetting solutions with liquid level detection and CO-RE technology for tip fixation
- > Proven and reliable instruments
- > All systems produced under GMP conditions



Increased security



FLOW Primary Sample Handling Instrument

Works for different sample types

Accepts primary and secondary sample tubes

Pipettes sample into MagNA Pure 96 Processing Cartridge

Offers clot detection and a closed housing

Enables use of multiple internal controls

MagNA Pure 96 Instrument (Nucleic Acid Isolation and Purification)

(Nucleic Acid Isolation and Purification)

Extracts DNA, RNA, and total nucleic acids from a wide range of starting materials using just one protocol

Processes up to 96 samples in less than one hour using barcoded, pre-filled trays with ready to use reagents

Expands throughput by connecting up to 3 MagNA Pure Instruments

Automated data transfer

Decreased hands on time



FLOW PCR Setup Instrument

Allows for highly flexible PCR setup

Eliminates complex manual pipetting

Automates sample and master mix dispensing into 96- or 384-well plates

Allows high speed multi-dispensing options

Enables retest and reflex options from processed eluates

Roche qPCR Instruments (Amplification Detection)

Speeds through 40 cycles in less than one hour

Generates accurate data with the highest levels of sensitivity and temperature homogeneity

Increases flexibility with interchangeable 96- and 384-well blocks

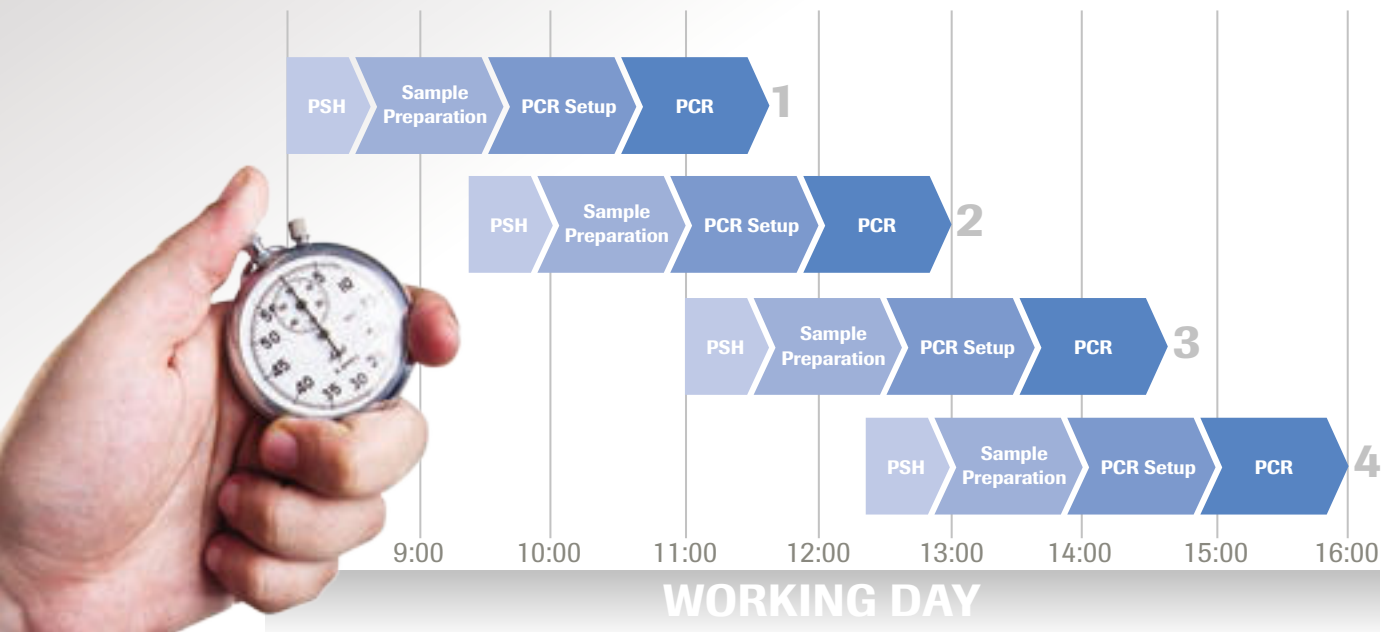
Expands throughput by connecting up to 5 qPCR Instruments

Supports a wide range of qPCR chemistries including various multiplex assays

INCREASE YOUR EFFICIENCY AND THROUGHPUT

Simplifying life through process automation

4 runs on the FLOW Solution in every 8 hours



Over 2,000 PCR results in less than eight hours

Maximize your lab's testing potential with an automated solution that reduces manual processes and speeds turnaround time. Powered by the integrated FLOW Software, the workflow allows you to complete a single run in less than four hours and up to four runs into a single working day. Generate more than 2,000 PCR results with one FLOW line at 384 extractions per day with the multiplex approach. The FLOW Software can expand your throughput when multiple instruments are added accommodating up to 3 MagNA Pure and 5 Roche qPCR Instruments.

Note: Total run time is an approximation only and dependent on sample types (pretreatment) and number of targets.

RELY ON A COMPLETE SOLUTION

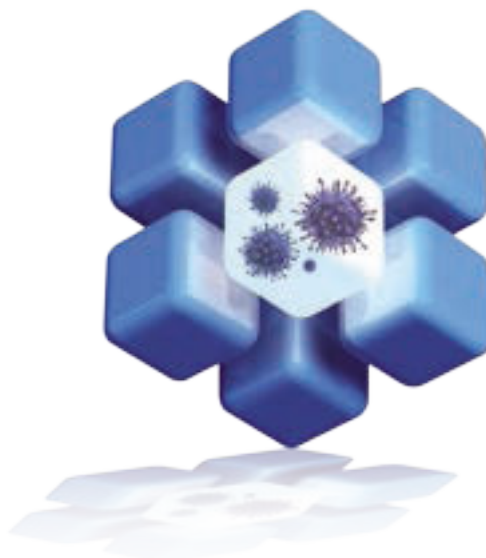
For even more convenience and time savings

Modular Testing Options

Identify applications that fit your needs by visiting ldtsolutions.roche.com.

Increase efficiency and throughput by combining single assays to build customized multiplex panels.

Eliminate labor- and time-intensive development and benefit from Roche reagents on the FLOW Solution.



Process Control Kits and Multiplex Master Mixes

Identify potential process risks more effectively by monitoring every step of the workflow, not only the qPCR step, with the Process Control Kit. Spike in the ready-to-use, nuclease-resistant control before sample preparation and avoid cumbersome handling.

Run your assays and controls with the LightCycler®

DNA or RNA Multiplex Masters designed for sensitive and efficient reactions.

World-Class Roche Support

Rely on a dedicated and experienced team for your service and support needs.

Count on Roche as your one point of contact.

Expect rapid response from the world leader in in vitro diagnostics.

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