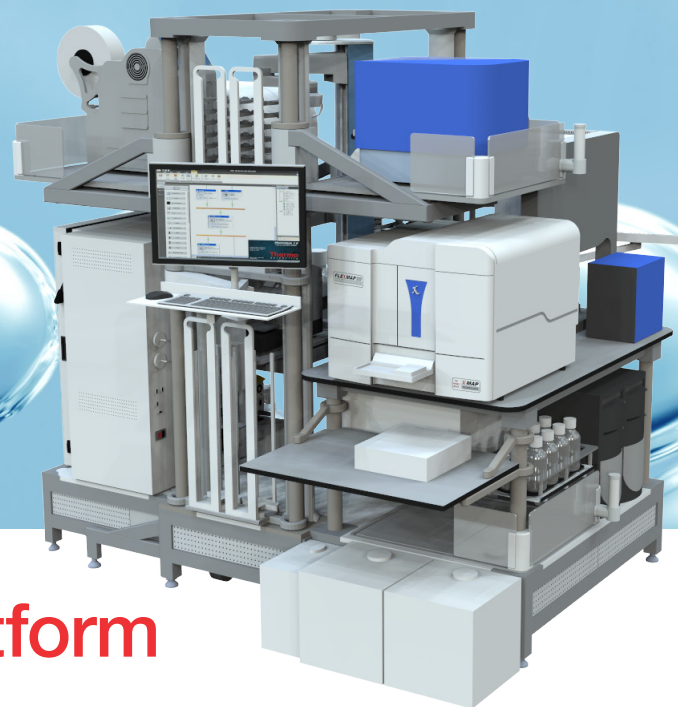


Lab automation



QuantiGene inSPIRE Platform

Laboratory automation solutions

Automate your high-throughput protein and gene expression assays

The Luminex® platform comprises Luminex instruments and multiplex assays for measuring RNA and protein targets applying xMAP® bead-based technology. A large variety of Invitrogen™ ProcartaPlex™ Immunoassays and Invitrogen™ QuantiGene™ Plex Gene Expression Assays are available to measure relevant biomarkers. The Thermo Scientific™ inSPIRE™ Collaborative Laboratory Automation Platform integrates everything you need for your automated workflow. Its unique Thermo Scientific™ SmartHandle technology provides at-a-glance instrument status updates and provides touch control for instrument access. With the platform's flexible design and space saving vertical orientation, it allows you to configure the right solution for your workflow.

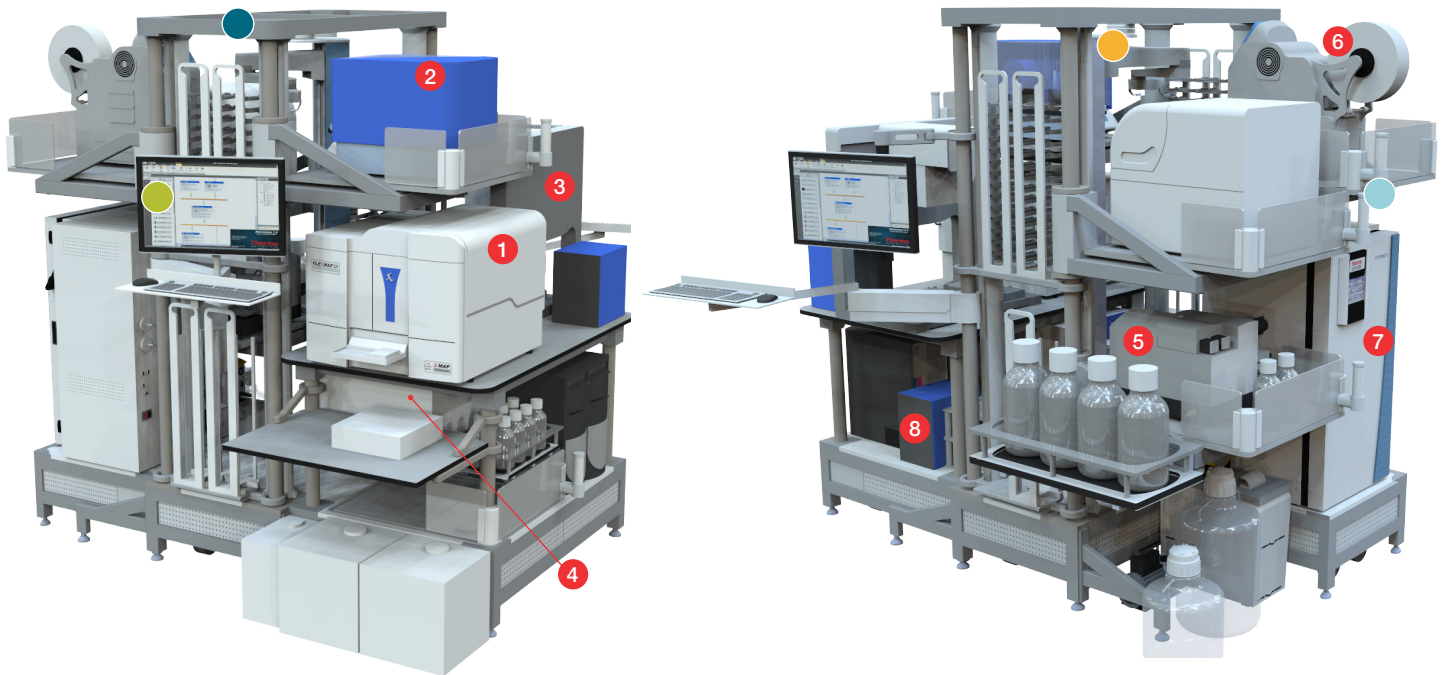
At the core of the inSPIRE platform for the QuantiGene Plex Assay is the Thermo Scientific™ Momentum™ Workflow Scheduling software. Momentum software is an intuitive platform for automating your scientific workflows using drag and drop functionality. Within Momentum software's wide range of capabilities is the ability to automate your manual protocol to the finest of detail, like incubation temperature monitoring and control, protocol specified sample handling thresholds, and well-level sample tracking. The software's dynamic range of features and functionalities can support your lab in both a user attended or unattended modes.

Going automated

Automating your QuantiGene Plex assay maximizes your results while minimizing the hands-on time by weeks compared to single plex and manual processes for your screening project. Going automated will also help with:

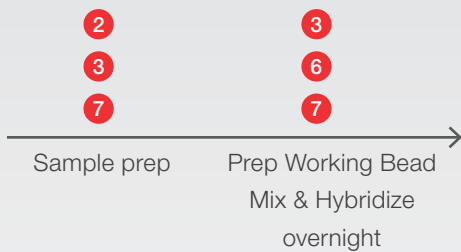
- Increasing data quality and reproducibility
- Improving process reliability and consistency
- Shortening research timelines and iteration cycles
- Reducing error rates
- Providing walkaway time to free up lab personnel for high value activities
- Generating data and enabling data integration for traceability

The automated workflow

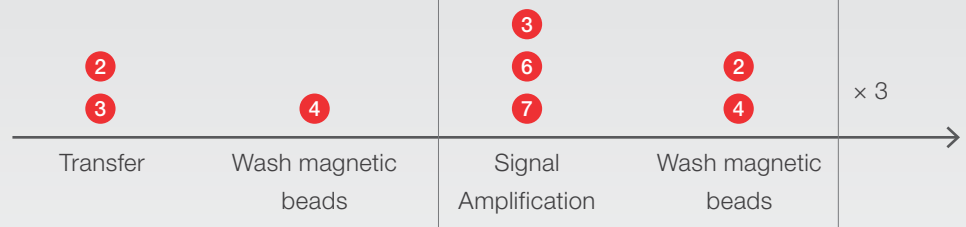


- 1 Luminex FLEXMAP 3D® System
- 2 Azenta Life Sciences Automated Plate Seal Remover
- 3 Agilent Bravo Liquid Handler
- 4 BlueCatBio Blue®Washer
- 5 BioTek ELX406™ Plate Washer
- 6 Thermo Scientific™ ALPS 5000™ Automated Plate Sealer
- 7 Thermo Scientific™ Cytomat™ 2 C Automated Incubator
- 8 INHECO Teleshake
- inSPIRE platform
- Thermo Scientific™ Spinnaker™ XT robot
- Smart Handles
- Momentum software

Day 1: Target hybridization



Day 2: Signal amplification



Day 2 continued



The inSPIRE platform provides an innovative solution for fully automating multiplex assays and can be modified based on your throughput requirements.

Learn more at thermofisher.com/labautomation