

Maximize your impact

Transform your laboratory with the Molecular Work Area

In today's demanding healthcare environment, managing a laboratory can be a balancing act between controlling costs and ensuring the on-time delivery of quality results. Through the integration of automation solutions, laboratories can work to alleviate the pressure from these daily challenges to focus their efforts on eliminating redundant and non-value-adding tasks.

The impact of automation on molecular workflows

Automation provides several advantages compared with manual processing. One of the most significant benefits is reducing the window in which human error can occur. For example, a traditional molecular workflow for HPV testing with SurePath™ requires 43 manual steps. While there may exist some analytical automation, the setup is performed manually. Manual touchpoints increase the risk of cross-contamination. By increasing the level of automation within a workflow, laboratories can significantly reduce this risk.



Today, completely automated laboratory systems ensure efficiency and quality throughout processing. Load-and-go samples, hands-free sample transfers, and high work-away times allow technicians to spend more time on other value-adding tasks.

Introducing absolute automation with the Molecular Work Area

With a unique blend of automation, consolidation, integration, and standardization, the Molecular Work Area has established a new way of testing with a single workflow.

Automation Simply load, remove waste, review & release results	Consolidation Streamline testing and instrumentation	Integration 90% reduction in hands-on time*	Standardization Consistent workflows across all assays
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This level of connectivity can only be offered by Roche.

*Data on file with Roche

Consistent support throughout your journey of transformation

Implementing new solutions can be a complex process. However, with Roche Healthcare Consulting, you will not have to do it alone. From first assessment through implementation and follow-up, our expert team will guide you through the entire process. Certified consultants, change management experts, data analysts, and financial specialists deliver world-class expertise with specific local knowledge.

Get personalized recommendations in these key areas according to your unique laboratory needs:

- **People:** Enhancing employee knowledge and satisfaction
- **Quality:** Limiting error and improving consistency
- **Time:** Optimizing turnaround times and reducing inefficiency
- **Growth:** Elevating capacity for sustainable growth
- **Financials:** Minimizing waste and streamlining integration

Looking at your journey of transformation

The flexible design of the Molecular Work Area allows for countless configurations to fit the unique needs of any laboratory. As your needs change, this flexibility will be increasingly important. After a comprehensive evaluation, Roche consultants will work with you to identify your current and future goals, while developing plans to help you achieve them. This consultation serves as the beginning of an on-going relationship to ensure your laboratory's continued success.

Define key performance indicators (KPIs) with a detailed assessment of your needs and pain points

Create your custom system configuration and validate it through simulation scenarios

Identify the right technology and workflow solutions with an in-depth data and process analysis

Assess your laboratory's key metrics and evaluate them against your pre-defined KPIs

Roche Healthcare Consulting employs 6 proprietary tools to evaluate your laboratory

These tools aim to simplify your organizational setup, drive positive impacts on cost structure, and give you the ability to focus on value-adding initiatives.

1. **Lean Layout:** Facilitates the planning of various work areas and appropriate instrument locations
2. **TAT Simulation:** Analyzes simulation performance to inform essential decision-making
3. **Staff Utilization:** Compares staff resources with sample arrival patterns to optimize staff utilization
4. **Workflow Visualization:** Details sample data flows in a graphic representation of the laboratory
5. **Potential Error Occurrence:** Identifies the potential origins of errors within laboratory processes
6. **Auto-Verification:** Fosters the development of a result verification algorithm

This collaborative evaluation, planning, design and implementation will help you unlock your laboratory's full potential for short- and long-term success.



Now is the time to embrace the future of molecular testing

No other solution addresses the needs of laboratories in the same way as the Molecular Work Area. Roche consistently provides truly reliable hardware, high-quality consumables, and state-of-the-art data solutions. As you look for ways to compete in today's complex healthcare ecosystem, remember that you do not have to do it alone.

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