

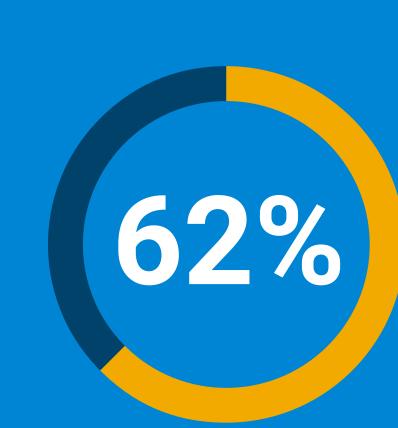
Top 10 Advantages of a Digital Lab Strategy

Accelerate your journey to peak performance and results.

The digital lab is no longer a dream.

The Digital Lab is an open, connected, intelligence-infused laboratory ecosystem. It harnesses automation, Al, robotic systems, virtual reality, informatics, and much more—all to maximize throughput and quality so lab staff can focus on insights and innovation.

And it's not simply a visionary concept. The capabilities and the benefits are very real, and that's why the move to a digital model is steadily increasing among analytical labs around the world.1



of QC labs will undergo digital transformations in the next 2 years

¹ Accenture study of 118 leading lab executives, Driving Digitalization at Scale in the Lab, 2022.



10 Advantages Digitalization Can Deliver Now

Throughput

Connected, automated, intelligenceinfused processes create faster sample throughput and reduced per-sample hands-on time, reducing bottlenecks in research and lab productivity.

Efficiency

Al-enhanced solutions can help train staff and guide them through procedures step by step, minimizing errors and repeat testing, saving time and improving the accuracy of results.

Connectedness

Integration with Agilent, third party instruments and other laboratory software applications allow remote access/remote work, reduce delays accessing data, eliminate manual data entry, and help you scale up on demand.

Quality

Workflow orchestration and lab automation can increase not only yield and throughput but also security and data integrity, creating results that are extremely trustworthy.



Reliability Agilent solutions can flag errors

and indicate if a retest is needed, saving time. Analysts no longer have to check with the manager or manually review multiple times.

Sustainability Automated processes and fast, easy scale-up can reduce everything

from sample volumes required to the number of times a study needs to be repeated, making analyses more sustainable from a cost and staffing perspective.

Collaboration

accessible to authorized lab personnel and managers, even remotely, encouraging stronger collaboration among peers in multiple locations.

In the digital lab, data is instantly

Compliance A digital lab can easily manage large volumes of data, access relevant data

for each sample, respond quickly, saving time and reducing data integrity risks.

Using augmented reality/virtual reality (AR/VR) technologies,

Visualization

the lab can create 3D visualizations and allow for interactive tech support and collaboration.



Innovation When you streamline your workflows, scientists have more time to

visualize, analyze, and generate insights from your data—which is a win for everyone.



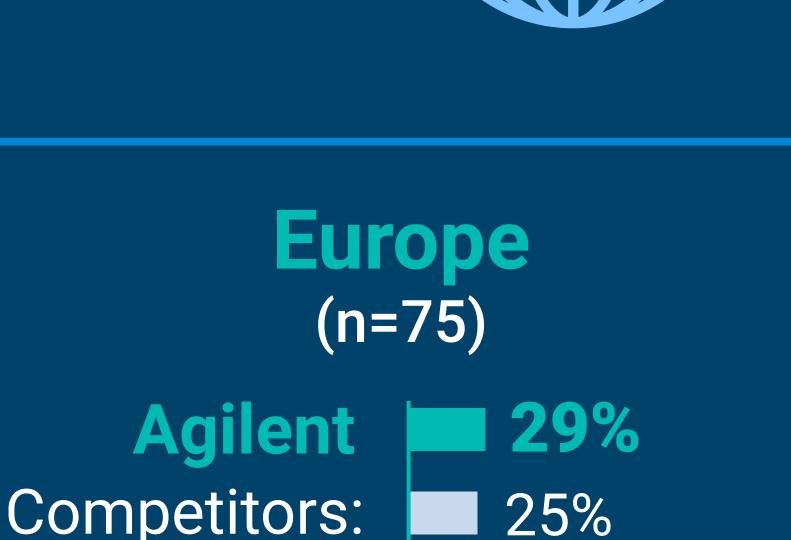
Recent research shows that Agilent is strongly associated with customized support, innovation, and overall quality and dependability. That's why Agilent leads all competitors in driving visions of "lab of

Why Agilent?

the future" in the United States, China, and Europe.² China USA (n=73)(n=76)

Competitors:

Agilent



5%

4% And Agilent offers a full spectrum of assets, services, and expertise

Agilent

Competitors:

33%

29%

16%

to help you build your vision of the Digital Lab, your way, right now. We focus on helping customers address three specific areas:

57%

² Source: Material+ Agilent Brand Reputation 2022 Benchmark Quantitative Research.

22%

8%

5%



To get the answers lab managers need faster using informatics, analytics, AI/ML



and more

operations, security, and resource management

To increase yield, quality, and throughput via workflow orchestration

Lab

Optimization

and lab automation



Enterprise

Optimization

To drive down operational

costs through cloud

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lab performance and results. Agilent offers everything you need to accelerate your journey to peak efficiency-today. With a full spectrum of assets, services, and expertise,

we help you build your vision of the digital lab, your way, right now.

Explore digital lab solutions



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