solvias

SMART. FAST. RELIABLE.

How Solvias Delivered 5X Throughput for a Validated Assay

A longtime partner turned to Solvias to scale a validated, GMP-compliant assay for commercial readiness. With rising sample volumes and compressed timelines, they needed a sharp increase in throughput and a major reduction in turnaround time (TAT) — without compromising quality. To meet these new operational demands, Solvias implemented targeted workflow transformation, expanded analyst capabilities to align with increased throughput, and reinforced quality oversight. The result was a seamless scale-up that enabled the customer to meet commercial demand with confidence.

THE CHALLENGES

- Sample Throughput: Monthly volume of samples needed to increase from approximately 20 to over 100 to meet projected commercial demand.
- Turnaround Time Pressure: While a 32-day turnaround time was suitable during clinical development, commercial operations required significantly faster timelines to align with market expectations.

OUR COLLABORATIVE APPROACH

1. Workflow Optimization

- Built on a strong operational foundation, we introduced a lean lab framework designed to anticipate and accommodate increased volume demands — unlocking greater efficiency and scalability.
- Proactively refined our deviation and OOS investigation pathways with advanced triage models to sustain speed and compliance under higher throughput conditions.
- Maintained dynamic, real-time collaboration with the customer to co-design workflows that aligned seamlessly with their evolving commercial strategy.

2. Analyst Training and Enablement

- Designed a peer-led training program focused on speed, consistency, and precision at scale.
- Built tailored training modules aligned to the customer’s assay-specific workflows, ensuring seamless knowledge transfer.

3. Quality and Performance Enhancements

- With robust quality systems already in place, Solvias introduced real-time raw data review to proactively support faster decision-making and sustain precision at higher throughput.
- Weekly QA alignment meetings were established to maintain tight coordination across functions and ensure agility as timelines compressed.
- Reviewer training programs were elevated to reflect the rigor and pace of commercial operations — reinforcing our commitment to performance consistency and regulatory excellence at scale.

THE RESULTS

Metric	Baseline	Post-Optimization	Impact
Sample Throughput	~20/month	~135/month	+575% increase
Turnaround Time (TAT)	32 days	15 days	53% reduction
On-Time Delivery	NA	99%	Reliable delivery

CONCLUSION

Through strategic operational enhancements, tailored analyst enablement, and proactive quality oversight, Solvias enabled a validated GMP assay to seamlessly scale for commercial readiness. Key outcomes:

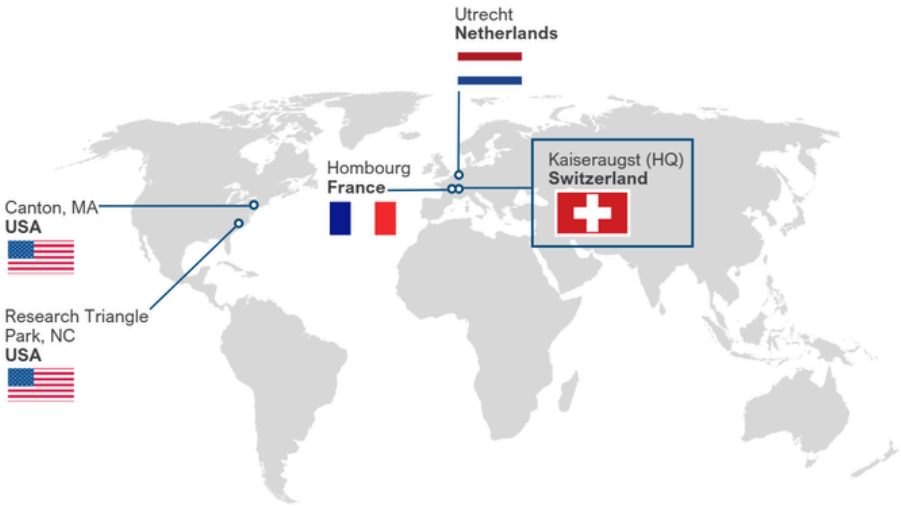
- 575% increase in sample throughput, from ~20 to ~135 samples per month
- 53% reduction in turnaround time, decreasing from 32 to 15 days
- 99% on-time delivery, meeting aggressive commercial expectations

Whether preparing for launch or expanding established capabilities, Solvias remains a trusted partner for reliable, efficient, and inspection-ready execution across the product lifecycle.

Looking for more insights? Explore our full library of free cell-based bioassay resources here: **CBBA**

WHY PARTNER WITH US?

- CRO
- Founded in 1999
- 800+ team members
- 175+ PhD-level scientists
- GMP, GLP, ISO9001 certified
- 23K m^2 of lab capacity
- 700+ customers worldwide
- 5 centers of excellence



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