



## » Scale your lab with FastFinder

### Scaling the molecular lab

As labs extend their assay menu and grow sample volumes over time, they need lab infrastructure capable of growing with them. In this overview, we will review the foundations that show UgenTec's FastFinder platform is built to scale.

- Hosted infrastructure
- Automation tools for the lab
- Systems & Instrument integration
- Optimized user interface



Managing servers, storage space, and backups are not core tasks of molecular biology labs. With FastFinder, you can scale up without IT headaches and infrastructure speedbumps. Rather than dealing with infrastructure growing pains, focus on your core mission – building a state-of-the-art assay menu with accurate reports, quick turnaround time, and high-quality findings.



## A hosted infrastructure

- » The UgenTec software platform is hosted on a mature, scalable hosted infrastructure. This means your IT team is freed of the burden and hidden cost of managing server infrastructure. But not just that. It also means that as volumes ramp up and the complexity of your assay menu and lab workflows grow, scaling up will not slow you down, as you won't need to stop and think about adding more server capacity, going through the lengthy procurement procedures and budget efforts to add capacity.

At UgenTec, we know how to help labs scale without roadblocks and speed bumps. Whether for data transfer capacity, storage space, or compute power - our team makes sure performance at scale is transparent to you, so you can focus on your primary goal of running the lab.

## Top notch hosting professional partner

- » To enable this approach, UgenTec has carefully selected a partner for its hosted solutions. UgenTec partners with MicroSoft Azure, a PaaS (Platform as a Service) provider that's leading in the industry, secure by design, and has a sound track record enabling medical IT companies with robust SaaS (Software as a Service) offerings used in high-throughput routine diagnostic settings.

## Automation for the lab

- » A second key requirement to enable you to scale up volumes in the lab, is facilitating automation. Automation is front and center in FastFinder: from bolting on **interpretation support** to remove the manual and error-prone steps from the analytics portion of the workflow, to building workflows in FastFinder Workflow which automates tedious steps such as **plate setup** and automatically **selecting the optimal assay** for a test request, to integrating work lists into the platform.



## Systems integration

- » In addition to optimizing the pre- and post-analytical workflow through smart tools for interpretation support and workflow automation, a lot of speed efficiency can be gained from integrations that take away manual steps from the workflow. These steps include transferring work lists from a LIMS (Lab Information Management System) or Electronic Health Record request management system into the lab's workflow; transferring results and reports back into the LIMS or the lab's reporting system, but also, a host of instrument integration points. These include automatically capturing results from analytical instruments, as well as generating run sheets and orchestrating runs for instruments.

## Optimized user interface

- » The FastFinder platform is built with a user-centric vision in mind - focusing on ease of use, limiting the number of clicks to a minimum, and automating the predominant paths through the workflow (where most time can be won) to the fullest extent. For exceptions, like findings that require a manual review or confirmation, visual tools and drill-down options allow these exceptions to be handled quickly as well. For example, uncertain results are flagged by the software through the "Resolve" function, and added to a unique worklist tab where the user can quickly review them and sign off.

## Conclusion

UgenTec's FastFinder platform is built based on a sound software architecture and deployed on scalable, future-proof hosting infrastructure. It has the right functional and architectural design to let your lab scale with ease. With its integration capabilities, you can build an end-to-end workflow, taking away bottlenecks in your lab's operations. And with Microsoft Azure as the underlying infrastructure, you can rely on the scalability, availability and performance ensuring a best-of-breed platform for analysis, interpretation and molecular testing workflow management.

For a more detailed discussion on UgenTec's hosted software platform, please consult the white paper on UgenTec's Hosted Solutions.