

Realize the Full Value of your Clinical Testing Lab

BlueBee genomics analysis: Your partner in clinical NGS data solutions



Grow your clinical service portfolio

Your precision-based testing deserves precision-optimized data solutions. And your customers deserve convenience. Patient security and connectedness are at the core of BlueBee solutions for routine clinical genomics testing labs.

BlueBee is the industry's most configurable and robust next-generation sequencing (NGS) data analysis and data management platform. BlueBee solutions combine high-performance computing with bioinformatics and genomics expertise tailored to match your laboratory needs.

BlueBee:

- Standardizes and automates complete NGS analysis and data management for routine workflows.

Control informatics costs with price-per-sample

- Tracks your sample, providing a full and transparent view on all stages of your sample analytics — from wet-lab to report delivery.
- Offers your clinical testing lab complete control over your bioinformatics pipelines.
- Inputs raw data from any NGS platform or other technology, for any clinical application (NIPT, Oncology, inherited disease, infectious disease, pharmacogenomics, other), and any method (WGS, WES, whole transcriptome, targeted DNA/RNA, other), at any scale.
- Supports clinical applications with multi-layered security, private cloud technology and global data compliance including HIPAA, GDPR, ISO 13485, ISO 27001, and more.
- Guarantees data residency.

Operate dynamically at scale

- Enables secure sharing of reports and data with your customers and partners; admin tools enable your control of role-based permissions per user.
- Provides a seamless knowledge management solution — BlueBee's BlueBase — to aggregate and mine data, and learn from routine testing.
- Streamlines your laboratory data processes for any level of user.
- Leverages best-in-class IT technology to optimize test quality and performance.

Bioinformatics on a Per Sample Basis

Your BlueBee solution is designed to fit within a fixed, 'fee-per-sample' price model. Unlike traditional software or infrastructure, the total cost for BlueBee scales predictably with sample volume. Computational resources are provisioned to handle high surges in demand.

Integrate knowledge for more clinical value

Learning from Routine Testing

Enable harmonized data and knowledge management within BlueBee as part of the BlueBase application tier — an integrated option with your BlueBee solution. Your lab and authorized stakeholders are able to discover new insights that will inform and improve diagnostic assay development, clinical trials, patient testing and patient care.



How BlueBee works in your lab

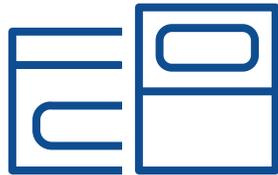
BlueBee provides rapid onboarding via a user-friendly interface designed with you to match your clinical assay and output needs. Your BlueBee solution is integrated with your laboratory ecosystem of technology and software applications.



1

Data solution set-up

BlueBee pipelines are defined with you for each of your routine NGS assays. BlueBee provides full transparency and documentation to support regulatory submissions.



2

Generate data

Generate data with any sequencing instrument. Easily and automatically encrypt and upload data to your private BlueBee solution.



3

Analyze and report results

Analysis-through-reporting is automated based on your defined pipeline, achieving a standardized, efficient workflow, which may integrate your guidelines or other tools.



4

Distribute results and report to your network

Share data and results efficiently and securely with your clinical stakeholders—pathologists, genetic counsellors, clinicians, clinical trial sponsors, partners, and others you authorize.



5

Monitor QC and achieve new clinical value

Easily aggregate data to query and learn from routine testing. Enrich data with additional annotation sources. Generate new insights and clinically-relevant knowledge.

Maximize your NGS analysis capabilities

- Use BlueBee across your lab menu for scientific and operational consistency.
- Standardize on data security and scalability to offer your clinical and patient communities a best-in-class experience.
- Build your own tailor-made analysis pipelines.
- Collaborate across a network.
- Integrate with LIMS or device applications to extend your workflow capabilities.
- Retain complete privacy and ownership of your data and data solution.

Ready-to-validate pipelines typically go from concept to deployment in 6-12 weeks, including testing and technical validation.

BlueBee partners with you to make a difference

Benefits and progress in precision health and medicine do not occur on their own. Our customer relationships are long-term and include dedicated, transparent and continuous support. To achieve precisely what you want, we customize each solution on three levels: technological, scientific and service. We ensure your staff's success with your BlueBee solution, and are here for you when your needs evolve.

Learn more

[BlueBee.com/clinicalgenomics](https://bluebee.com/clinicalgenomics)