Microarrays

Introducing the CytoScan Automated Interpretation and Reporting (AIR) solution

The CytoScan AIR solution combines ChAS software with Franklin by Genoox to streamline interpretation and reporting for genetic data analysis

Applied Biosystems™ CytoScan™ Automated Interpretation and Reporting (AIR) solution

Increase your discovery yield and eliminate the complexity of variant interpretation

Franklin by Genoox is an end-to-end research software for genetic data analysis with advanced AI-driven interpretation. With the CytoScan AIR solution, our customers can combine the power of both Applied Biosystems™ Chromosome Analysis Suite (ChAS) software and Franklin to streamline genetic data analysis for increased productivity with consistent interpretation and reporting.

Rapid and accurate results powered by artificial intelligence

The CytoScan AIR solution helps increase laboratory discovery yield and helps reduce the complexity of researching the pathogenicity of genomic variants and reporting them.

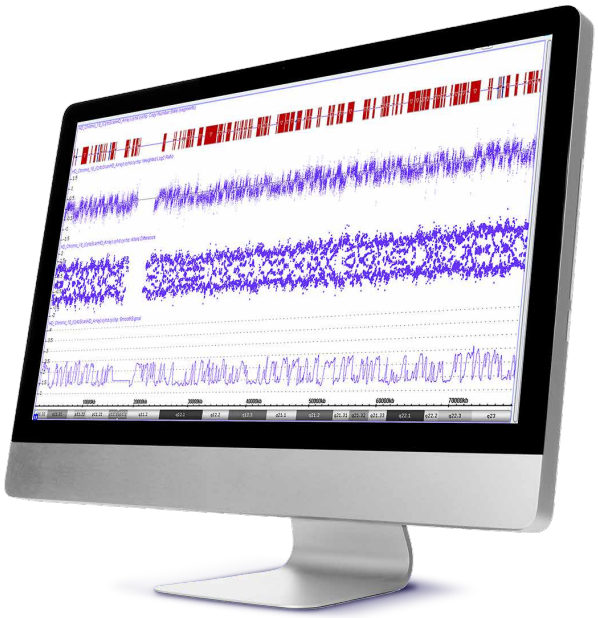
applied biosystems

ChAS software

View and summarize chromosomal aberrations across the genome. Developed with input from leading experts, ChAS software is designed specifically for copy number and cytogenetics research analysis and reporting.

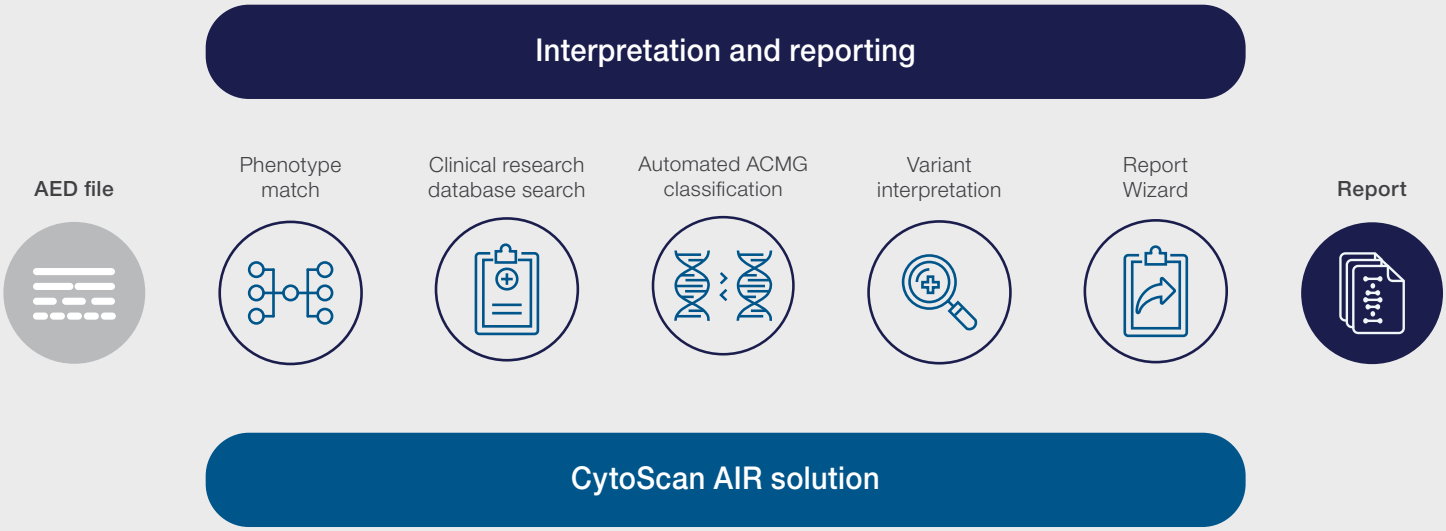
Key features:

- Analyze copy number, mosaicism, and loss-of-heterozygosity (LOH) segment data at different levels of resolution
- Customize and load your own annotations and regions for focused analysis
- Store, query, and display historic sample data and annotations for streamlined analysis
- Application programming interfaces (APIs) to push and pull segment coordinates in and out of ChAS software



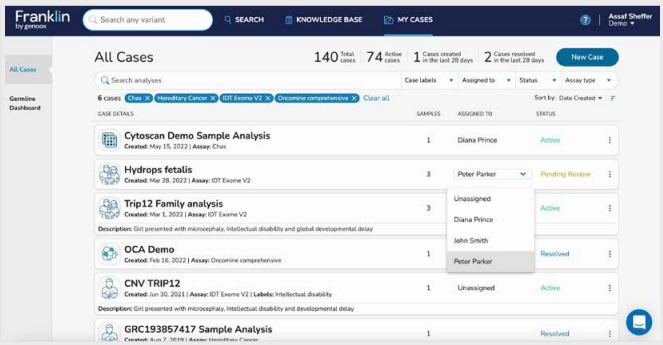
View ChAS training modules

Request a demo



The Franklin solution, based on the American College of Medical Genetics (ACMG) guidelines and powered by artificial intelligence (AI) technology, is designed to automatically identify, classify, and prioritize variants accurately, as well as combine deep phenotype and genotype data with disease-causing information.

This fully featured, integrated reporting system enables researchers to review, finalize, and deliver consistent and accurate reports swiftly.

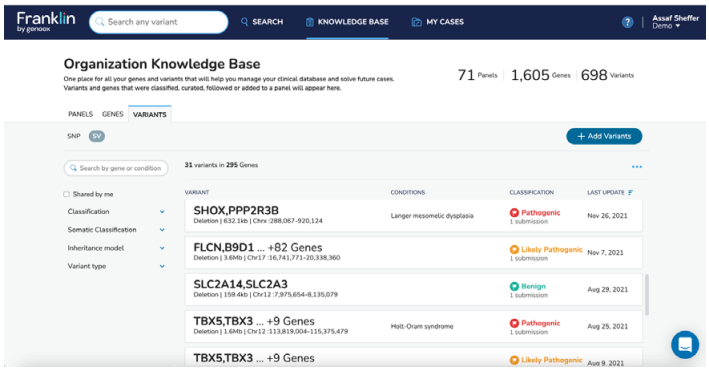


Intuitive case management to streamline your lab operations

- Simplified process for importing bulk sample files
- Intuitive forms for adding case information
- Effective methods to manage and improve lab personal and work processes

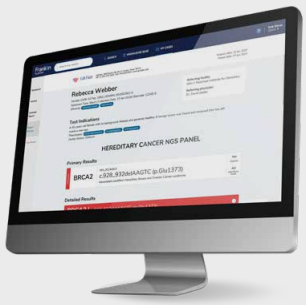
Automated classification in alignment with ClinGen and ACMG guidelines

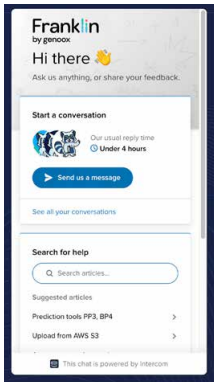
- Automated classification based on the most recent Clinical Genome Resource (ClinGen) and ACMG guidelines
- Genotypic-phenotypic interpretation hub with assessment tools and link-outs for all references
- Publication engine to access relevant and up-to-date genetic evidence
- Gain access to the community knowledge base to collaborate with fellow professionals
- Develop your organizational knowledge base with curation of genes, variants, and panels as part of the analysis process



Generate reports in minutes with Report Studio software

- Fully customizable, lab-branded research report generator
- Evidence-based genomic results, including detailed literature
- Flexible delivery options





Onboarding plan and support

- Recorded training sessions that cover best practices and principles of the solution
- Email- and chat-based ticketing systems for issue reporting and tracking
- Comprehensive help center, with self-assisted “Getting Started” articles and advanced principles of the solution

The data created in the Franklin solution is owned by its creators and protected by Genoox Inc. For Research Use Only. Not for diagnostic use.

Genoox is fully committed to protecting patients' genomic data and delivers a product enabling HIPAA compliance and is GDPR-ready for your research needs.

Learn more at **thermofisher.com/cytoscanair**