

Biomarker Intelligence

Analytics | Information | Insights | Reporting



	Standard SaaS Infrastructure	Standard DM Tools	Standard BI Tools	Advanced DM Tools	Assay-Specific Modules	Advanced Visualizations	Advanced Analytics	QuartzBio Agent Intelligence
Fully validated platform that can support GDPR, 21 CFR Part 11 and GxP compliance	X							
SSO Integration with sponsor's IDP (e.g. Okta, Azure AD, ...)	X							
QuartzBio managed deployment, maintenance and monitoring of all infrastructure	X							
Data security, compliance, user access management including full audit trail	X							
On-demand, automated, configurable data ingestion from vendors		X						
- Ingest data from EDCs (e.g. Medidata Rave, Veeva, Oracle Inform), central labs and specialty labs								
Access to source data from vendors		X						
- Data file viewer (.csv, .xlsx, .txt, .html, .pdf)								
- Generic image file viewer (.png, .jpg)								
Configurable organization of and access to raw and derived data sets		X						
Configurable data mapping engine to integrate data from various data owners		X						
- Configurable, no-code data mapper to integrate data from various data owners, vendors, systems without predefined format requirements								
Consolidated, centralized sample and biomarker metadata via mapping of data to standardized data model		X						
Automated, configurable Data Integrity Checks		X						
- Configure data checks to identify missing fields, invalid code lists or invalid data formats								
Global Data Search		X						
- Search and discover data slices across enterprise portfolio								
Project Documentation Module to centralize operational documents			X					
Dynamic user interface to query, visualize, and access data			X					
Assay QC Reports				X				
- Access assay technology (e.g. RNASeq, Nanostring, Proteomics) specific QC reports to assess data quality considering assay characteristics								
High Resolution IHC Image Viewer					X			
- View high resolution .tiff and .svg images without the need to download large files on your laptop								
Flow Cytometry Module					X			
- View raw flow cytometry data from .fcs files overlaid with gating strategy from FlowJo workspaces								
Mutation Module					X			
- Access your mutation data in a dedicated interface interconnected to public databases								
- Generate mutation heatmaps showing tumor mutational burden annotated with sample and subject metadata								
Advanced Visualizations						X		
- Gain access to advanced visualizations such as high-dimensional expression heatmaps, Volcano plots, swimmer and waterfall plots and clustering								
Advanced Analytics Module							X	
- Run correlation, Differential Expression, Principal Component, and Survival Analyses in a no-code, scalable analytics engine								
Generative AI (GAI)-enhanced BI Tooling								X
GAI-enhanced Data Management								X