Sample Intelligence

Analytics | Information | Insights | Reporting

quartzbio™

	Standard SaaS Infrastructure	Standard DM Tools	Standard BI Tools	Enterprise	Advanced Sample Management	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 - Ingest data from EDCs (e.g. Medidata Rave, Veeva, Oracle Inform), central labs and specialty labs		X				
Access to source data from vendors - Data file viewer (.csv, .xlsx, .txt, .html, .pdf) - Generic image file viewer (.png, .jpg)		X				
Configurable organization of and access to raw and derived data sets		X				
Configurable data mapping engine to integrate data from various data owners - Configurable, no-code data mapper to integrate data from various data owners, vendors, systems without predefined format requirements		X				
Consolidated, centralized sample metadata via Virtual Master Sample Inventory (MSI)		X				
Automated, configurable Data Integrity Checks - Configure data checks to identify missing fields, invalid code lists or invalid data formats		X				
Automated Standard Set of Data Reconciliation Checks - Standardized set of data checks on consolidated sample metadata (MSI) to support reconciliation report - Ability to configure additional data checks		X				
Project Documentation Module to centralize operational documents			X			
Sample Availability Tracking			X			
Sample Reconciliation Report - Identification of collection gaps between actual vs. expected sample collections - Identification of data entry gaps in EDC and central/specialty lab inventory systems - Identification of discrepancies between central/specialty labs and EDC - Identification of discrepancies between central lab and specialty lab - Identification of out-of-protocol / out-of-consent collections			X			
Standard Query Management Module - Centralized management of sample metadata related data queries - Standardized query ontology to allow for distribution of consistent queries to vendors and data owners - Supports automated and manual resolution of queries			X			
Dynamic user interface to query, visualize, and access data - Standard visualizations (pie charts, barcharts, boxplots) - Dynamic dashboards			X			
Global Data Search - Search and discover data slices across enterprise portfolio			X			
Vendor Performance (cross-study) - Gain insights on vendor performance across enterprise portfolio				X		
Site Performance (cross-study) - Gain insights on vendor performance across enterprise portfolio				X		
Virtual Master Biorepository (MSI cross-study) - Create portfolio view of biospecimen portfolio				X		
Sample Stability Report - Track sample stability via configurable sample stability criteria					X	
Sample Stability Expiration Notifications - Receive automated notifications of samples approaching sample stability threshold					X	
Shipment Tracker (linking to couriers)					X	
Sample Ship List Module - Create sample ship lists using information from MSI overlaid with business rules (e.g. minimum batch size, storage condition, stability criteria) for shipping viability					X	
Sample and Testing Status Report - Advanced reporting on sample status including testing status					X	
Generative AI (GAI)-enhanced BI Tooling						X
GAI-enhanced Data Management						X
GAI-enhanced Query Management (e.g. identify query trends)						X