virtual
Sample Inventory Management
Analytics | Information | Insights | Reporting

PRECISION quartzbio®

Feature	Standard SaaS Infrastructure	Standard DM Tools	Standard BI Tools	Enterprise	Advanced Sample Management	Spotfire Integration	Quartzbio Virtual Assistant
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		
Spotfire Integration - Seamlessly access data from QuartzBio platform with natively integrated Spotfire explorer						X	
Generative AI (GAI)-enhanced BI Tooling							X
GAI-enhanced Data Management							X
GAI-enhanced Query Management (e.g. identify query trends)							X