



# Velos eSample

*“To improve human health, scientific discoveries must be translated into practical applications. Such discoveries typically begin at “the bench” with basic research — then progress to the clinical level, or the patient's “bedside.”*

*Translational research has proven to be a powerful process that drives the clinical research engine. However, a stronger research infrastructure could strengthen and accelerate this critical part of the clinical research enterprise.” ---- NIH*

## Velos eResearch Product Line

Velos eResearch  
- Account Management  
- Study Setup  
- Data Management  
- Patient Management  
- Reports & Ad-Hoc Queries

Velos eClinical  
Velos eFinancials  
Velos ePortal  
Velos eIRB  
Velos eSample  
Velos eCardio  
Velos eOncology  
Velos eTools

## Technology-based Services

Velos Grid Services  
Velos Interface Engine

## Contact Information

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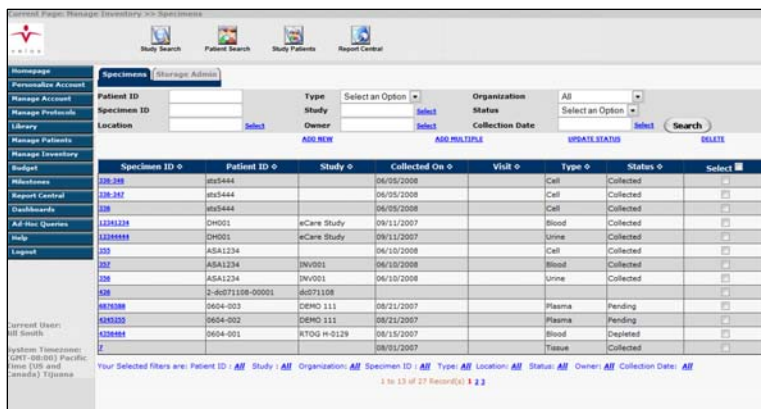
Velos eSample is the transformational biospecimen research management solution that supports investigators, study teams and sponsors throughout the entire biospecimen management process. Velos eSample supports specimen acquisition in the protocol design process, sample tracking, assay results collection, association to patient and/or study data and the ability to query and analyze the data. These capabilities combine to expedite the research process, enhance data quality and improve data access, and enable integrated specimen, patient, and research subject data collection.

A standalone system that's also fully integrated with Velos eResearch, Velos eSample leverages the same advanced systems features that make Velos eResearch so powerful in areas like multi-organization security management, grid services, protocol and participant compliance, scheduling, forms design, billing and administration. Velos eSample is the complete clinical genomics research data management solution.

## Key Highlights

- Provides inventory management system that tracks the location and status of biological specimens and other artifacts for the purpose of facilitating clinical translational research
- Enables creation and management of tissue banks and other similar biomedical repositories
- Supports collection of analytical results such as the outcomes of assay runs
- Facilitates association of such data with demographic and clinical data obtained from the subject who donated the specimen and has consented to its use for research purposes
- Ensures compliance with institutional policies and standard operating procedures, and with regulations e.g. HIPAA, CFR Part 11, etc.

System features include storage and inventory management, participant management and scheduling, specimen bank design and administration, specimen annotation, multi-site specimen network organization and control, and many more features.



Specimen ID	Patient ID	Study	Collected On	Vial	Type	Status	Select
128328	025444		06/09/2008		Cell	Collected	<input type="checkbox"/>
128342	025444		06/09/2008		Cell	Collected	<input type="checkbox"/>
128355	025444		06/09/2008		Cell	Collected	<input type="checkbox"/>
128333A	DH001	eCare Study	09/11/2007		Blood	Collected	<input type="checkbox"/>
128333B	DH001	eCare Study	09/11/2007		Urine	Collected	<input type="checkbox"/>
128333C	ASA1234		06/10/2008		Cell	Collected	<input type="checkbox"/>
128333D	ASA1234	INV001	06/10/2008		Blood	Collected	<input type="checkbox"/>
128333E	ASA1234	INV001	06/10/2008		Urine	Collected	<input type="checkbox"/>
128333F	2-06071108-00001	06071108					<input type="checkbox"/>
128333G	0604-003	DEMO 111	08/21/2007		Plasma	Pending	<input type="checkbox"/>
128333H	0604-002	DEMO 111	08/21/2007		Plasma	Pending	<input type="checkbox"/>
128333I	0604-001	WTOG H-0129	08/15/2007		Blood	Depleted	<input type="checkbox"/>
128333J			08/01/2007		Tissue	Collected	<input type="checkbox"/>

## Storage and Inventory Management

Tissue Bank administrators have an easy-to-use interface to manage their storage units and inventory items. A maintainable library of reusable components is available for protocol and specimen repository design. Specimen bank hierarchies can be defined along with attributes such as location, type, capacity, and status. Inventory items can be tracked as they are checked in, shipped out, depleted or as other such status may be defined. The system supports bar code readers, thereby assisting in data entry and retrieval.

## Protocol-based Sample Acquisition

Integration with Velos eSample leverages the powerful Velos eResearch protocol design and study management capabilities to define protocol-based sample acquisition workflows that link study coordinators' activities with inventory management and sample check-in processes.

## Integrated Clinical Data Repository

Online forms are available to capture sample processing and annotation details. These forms can be easily configured to a site, department or investigator's specific needs. Specimens can be associated to specific participants, studies, sites or networks. Appropriate access rights can be conferred on system users. Consents are tracked and "child" sample records can be created and stored in a format such that chain-of-custody reports can be retrieved at any time to any level. Data captured for specimens can be queried and linked with information available in the clinical database repository including participant demographics, labs, medications, diagnosis, clinical history, orders and study-specific clinical data. Velos eSample enables customers to establish a powerful connection between the "bench" and the "bedside".

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