



The Freezerworks® Validation Verification Package

This Validation Verification Package is provided to help inform customers of the thorough validation process Dataworks uses to ensure only top quality products are released. This documentation of our development system offers customers a method to assess our dedication to quality product design and testing.

Commitment to Quality

Dataworks Development, Inc. has over 30 years of experience devoted to the design and continuous improvement of our Software Development LifeCycle, including program testing. We are committed to meeting or exceeding the software development requirements of the FDA, as well as our customers' quality standards. Every staff member at Dataworks is dedicated to providing our customers with the best products in the industry. This Validation Verification Package will illustrate some of the steps we take to provide the highest quality software possible.

Contents

- Software Development LifeCycle (SDLC) Summary
- Program Components Validated
- Samples of Completed Testing Artifacts
- Test Case Results
- Certificate of Validation

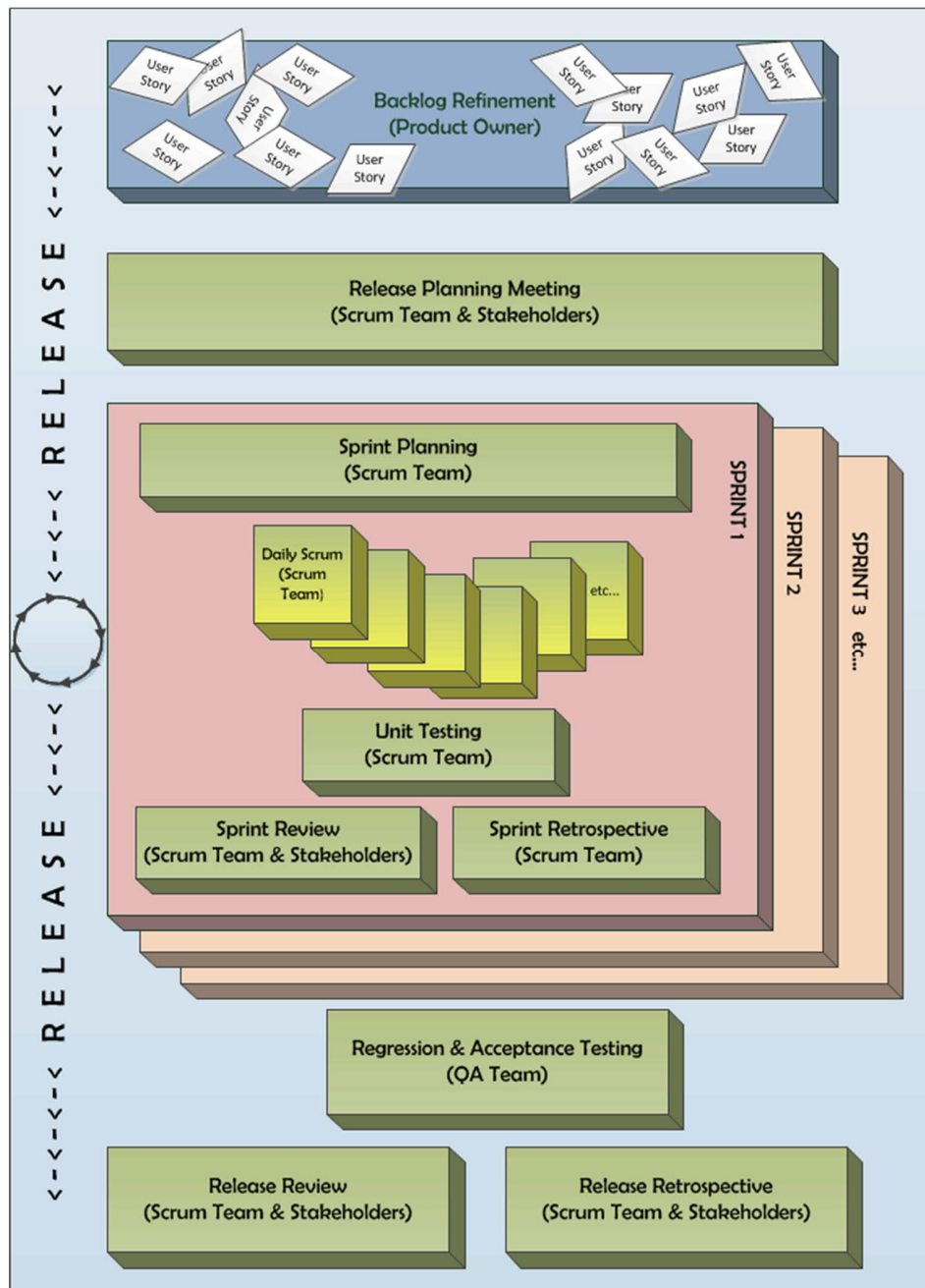
Please note that the testing procedures and artifacts, referenced below, are written to satisfy requirements of validation by a software development company. While Dataworks strives to include the most extensive variety of test cases and data ranges in our systems, they are in no way intended to replace the end-user validation required by the FDA. They are not a substitution for the laboratories' responsibility to assess their own unique needs (functional requirements) and risk levels.

Summary

Only when all development and testing procedures have been completed satisfactorily will the Head of Quality Assurance certify a version of the software for public release. A Certificate of Validation is included at the conclusion of this document. Please contact Dataworks if further information or documentation is needed.

The SDLC Process

The Dataworks Software Development LifeCycle (SDLC) was created in accordance with FDA Guidelines and other current industry technology standards. This extensive SDLC system governs the creation of our software from start to finish; from user input and requirements analysis through production and release. We routinely evaluate our SDLC processes with an eye towards continual improvement. The quality objectives of the SDLC will be regularly communicated and reviewed with the employees who fulfill them. In support of the Dataworks Mission Statement, we are dedicated to making high quality software through this SDLC.



Agile Software Development Methodology

In August of 2017 Dataworks began implementation of a new style SDLC for our Freezerworks product line. The new methodology is based on the Agile approach and takes full advantage of the scrum team, product development sprints, and stakeholder involvement. The Agile Development Team is comprised of the software developers, representatives from the QA Department, and the Technical Writer. Jira, the issue and project tracking database is used to trace all feature requests and error reports through this SDLC process.

As illustrated above, the SDLC is comprised of the following elements:

Backlog Refinement

The Product Owner(s) are responsible for the maintenance of the backlog of User Stories. They will evaluate each Feature Request, assigning a Priority value to it: Must Have, Should Have, and Could Have. Likewise, they will evaluate each Error Report and determine its Impact and Urgency. These evaluations will determine the placement of the issue on the backlog. Feature Requests and Error Reports are submitted by employees on behalf of customers and are linked to the customer's record in the Customer Relationship Management system.

Release Planning Meeting

At the beginning of each new Release cycle, a meeting will be convened with all members of the Agile Development Team including internal stakeholders representing Sales, Marketing, IT, and Support. A limited number of large User Stories (Epics) will be selected for completion during the Release. The Agile Development Team and Stakeholders will discuss each Epic and Story selected and assign Story Points to it based on the anticipated complexity. The number of Stories selected will depend on the estimated Story Points and the current known velocity of the Agile Development Team.

Sprint Planning

Each Release will be comprised of multiple two or three week Sprints. At the beginning of each Sprint, the Agile Development Team will meet to select issues from the backlog to be completed during the Sprint. The number of issues will depend upon the capacity of the team members for that Sprint. The team will discuss each issue and estimate the time required to complete it.

Daily Scrum

The members of the Agile Development Team will meet daily to report on activity progress, including any blocking problems. The Scrum Master will facilitate the meeting and assist with clearing any reported blockers.

Unit Testing

Each developer will be responsible for writing Test Cases to use in Unit Testing. He will also be responsible for initial validation of all code written to satisfy the Acceptance Criteria. Special attention will be paid to any needed regression testing. The QA department will assemble and execute test case runs to verify and qualify that each issue meets the Acceptance Criteria. Test results are documented in the TestRail test case

management system with traceability to each User Story in the Jira issue tracking database. Unit Testing is to be completed and the Acceptance Criteria should be satisfied by the end of each Sprint.

Test Cases & Validation

The QA department will assemble and execute test case runs to verify and qualify the issues during each Sprint based on the test cases created by development during Unit Testing. QA will also identify edge cases and ancillary testing beyond the basic functionality specified in the Acceptance Criteria. Test Cases specify inputs, execution conditions, and expected results for a particular objective. The objective of the test cases is to determine if the program meets the acceptance criteria and to find errors via high yield testing (those cases with the highest probability of finding errors and reducing the number of test cases needed). At least one person performing validation must not have participated in the programming of the project being tested. Performance of the program is documented at each step of the Test Case. All test results are documented in the TestRail test case management system and Jira issue tracking database. Any errors found during validation are entered in JIRA, corrected by the development team, and tested again in the next testing round.

Code Review

After initial validation is completed, the developer will set the Status of the Issue to “Code Review Requested” and assign it to another developer for review. Code Review will check for some or all of the following:

- Adherence to SOP and Best Practice
- Completion of Test Cases
- Appropriateness of techniques for scalability and performance
- Check for errors, omission, and opportunities for improvement

Any errors, omissions, or suggestions will be noted in the Jira issue and assigned back to the developer. When complete, the developer will assign the Issue to the QA Department for inclusion in the formal validation.

Sprint Review

At the conclusion of each Sprint, the Agile Development Team will meet with the internal stakeholders to review the completed product for that Sprint. Any errors or suggested changes will be documented for inclusion on the backlog.

Sprint Retrospective

Following the Sprint Review, the Agile Development Team will meet to discuss what went well during the Sprint, what did not go well, and what changes should be made in the process to address these points.

Stakeholder Involvement

Regular involvement of both internal and external stakeholders is considered critical for the success of the product development. Internal stakeholders will include representatives from Sales, Marketing, and Support. External stakeholders will be selected from our active customer base, determined by expressed interest in the area of the program being modified or written.

Regularly scheduled calls with external stakeholders will be conducted to demonstrate the product as it is in development and obtain feedback regarding the functionality and user interface. External stakeholders are also essential for fleshing out User Stories.

Internal stakeholders will be invited to attend the meetings with the external stakeholders. Additionally, they will be asked to review User Interface in the middle of Sprints, discuss functionality issues as they arise, etc.

Regression & Acceptance Testing

With the assistance of the developers, the QA department will identify those areas of the program that require regression testing as a result of the changes made during a Sprint. Test cases will be defined and executed to ensure that all required regression testing is completed. Additional Acceptance Testing will be conducted to ensure that the Acceptance Criteria is continued to be met for all Stories conducted during the release. Acceptance Testing will also include sanity testing on the basic functionality of the program as well as any other areas deemed a high risk.

Release Review

At the completion of a defined Release cycle, all stakeholders will be invited to attend a final review meeting at which all of the product changes are demonstrated. Any errors or modifications identified will be added to the Product Backlog.

Release Retrospective

After the Release Review, internal stakeholders will meet with the Agile Development Team to discuss what went well during the Release cycle, what went poorly, and what changes need to be made to the process.


Release Publication

The Quality Assurance Department will oversee the release process. “General” releases consist of upgrades, maintenance updates, or hot fixes. Each release follows the SDLC procedure. Upgrades are released every 4-6 months; maintenance updates (including hot fixes) will follow an expedited schedule as needed. Customers are informed of upgrades and updates via e-mail and website notifications. “Limited” releases are sometimes made available to customers who have been affected by very specific error fixes within the release that does not affect the common use of the program. The Customer Support Department will distribute upgrades to existing customers. Following a release, any new feature requests and error reports will be added to the product backlog in Jira, as the SDLC continues on.

Testing Artifact Sample: Feature Requests (User Stories) from the Product Backlog tracked during a Sprint

<div> <div>Jira Software</div> <div>DWD JIRA Prod</div> <div>Dashboards</div> <div>Projects</div> <div>Issues</div> <div>Boards</div> <div>Timetracker</div> <div>TestRail</div> <div>Create</div> <div>Search</div> </div>							
<div> <div>New search</div> <div>Save as</div> </div>							
<div> <div>Find filters</div> <div> <div>Freezerworks</div> <div>Feature Request</div> <div>Resolved, Completed Without ...</div> <div>Assignee: All</div> <div>Contains text</div> <div>More</div> <div>Search</div> <div>Advanced</div> </div> <div>Scheduled Release Version: 12.0</div> </div>							
1-50 of 887							
Created	Key	Summary	Status	Reporter	Scheduled Release Version	Components	Code Changed In
06/Jan/20	FW-52057	Add Default Entry Form to Web User Preferences	READY FOR FORMAL V...	Nate Rheume	12.0	Samples Entry	AA
17/Dec/19	FW-52003	UI Review for Configure Samples Entry	READY FOR FORMAL V...	Nate Rheume	12.0	Configure Samples Entry, Web Client	AA
09/Dec/19	FW-51914	Configure Samples Entry Form - Web Client	READY FOR FORMAL V...	David Michels	12.0	Configure Samples Entry, Web Client	AA
06/Dec/19	FW-51908	New Home Screen for Web Client	PASSED VALIDATION	David Michels	12.0	Homepage	AA
04/Dec/19	FW-51861	Configure Aliquots Entry - Web Client	READY FOR FORMAL V...	Cheryl Michels	12.0	Configure Entry Screens	AA
04/Dec/19	FW-51859	Allow placement of graphical images on Samples/Aliquots entry screens	PASSED VALIDATION	Cheryl Michels	12.0	Configure Entry Screens	AA
04/Dec/19	FW-51858	Display Aliquots in separate tab on Samples entry form	READY FOR FORMAL V...	Cheryl Michels	12.0	Configure Entry Screens	AA
04/Dec/19	FW-51856	Allow multiple Sample pages per form	PASSED VALIDATION	Cheryl Michels	12.0	Configure Entry Screens	AA
04/Dec/19	FW-51853	Allow Panels to have multiple columns of fields (1 through 4)	PASSED VALIDATION	Cheryl Michels	12.0	Configure Entry Screens	AA
07/Jan/20	FW-52069	Sprint Review 1 Minor Changes	READY FOR FORMAL V...	Cheryl Michels	12.0	Configure Entry Screens	AB
06/Jan/20	FW-52059	New Sample Record UI	READY FOR FORMAL V...	Nate Rheume	12.0	Samples Entry	AB
24/Feb/20	FW-52375	Change Field Configuration to match changes in Web Client	READY FOR FORMAL V...	Joshua Michels	12.0	User Defined Fields, User Defined Fields Configuration	AC
19/Feb/20	FW-52338	Field dependencies continued	READY FOR FORMAL V...	Joshua Michels	12.0	Samples Entry, User Defined Fields Operation	AC
27/Jan/20	FW-52201	Aliquots Entry Form	READY FOR FORMAL V...	Nate Rheume	12.0	Aliquots Entry	AC
27/Jan/20	FW-52200	Aliquots Listbox in Samples Entry	READY FOR FORMAL V...	Nate Rheume	12.0	Aliquots Entry	AC
24/Jan/20	FW-52185	Upgrade methods to create new object fields in UDF table	READY FOR FORMAL V...	Cheryl Michels	12.0	Upgrade, User Defined Fields Configuration	AC
23/Jan/20	FW-52173	Handle order of Aliquot field columns in Samples Entry	READY FOR FORMAL V...	Nate Rheume	12.0	Samples Entry	AC
06/Jan/20	FW-52062	Save Sample record on Web Client	READY FOR FORMAL V...	Nate Rheume	12.0	Samples Entry	AC
06/Jan/20	FW-52061	Field by field data integrity	READY FOR FORMAL V...	Nate Rheume	12.0	Samples Entry	AC
06/Jan/20	FW-52060	Load existing record for potential modification	READY FOR FORMAL V...	Nate Rheume	12.0	Samples Entry	AC
03/Jan/20	FW-52052	Visual cue for read only fields during configure entry forms on web client	READY FOR FORMAL V...	Cheryl Michels	12.0	Configure Entry Screens	AC
04/Dec/19	FW-51887	Save Patient	READY FOR FORMAL V...	Cheryl Michels	12.0	Aliquots Entry, Samples Entry	AC
04/Dec/19	FW-51875	Freezer Position graphic on Aliquots entry screens	READY FOR FORMAL V...	Cheryl Michels	12.0	Aliquots Entry, Configure Entry Screens	AC
04/Dec/19	FW-51870	Allow users to link Samples to Patients on Web Client	READY FOR FORMAL V...	Cheryl Michels	12.0	Configure Entry Screens, Patient Entry, Samples Entry	AC
04/Dec/19	FW-51860	Configure Patients Entry Screens for the web client	READY FOR FORMAL V...	Cheryl Michels	12.0	Configure Entry Screens	AC
16/Mar/20	FW-52477	Remove <Patient> buttons from sample entry form, if no patient fields are present on the form.	READY FOR FORMAL V...	David Michels	12.0	Samples Entry, Web Client	AD
10/Mar/20	FW-52456	Change registration form for 2020 to reflect current version	READY FOR FORMAL V...	Cheryl Michels	12.0	Upgrade	AD

Testing Artifact Sample: Detailed view of an Epic (Grouping of Feature Requests) in the Jira database

 Jira Software

DWD JIRA Prod

Dashboards ▾

Projects ▾

Issues ▾


Boards ▾

Timetracker ▾

TestRail ▾

Create

Search

 Freezerworks / FW-51850

Configurable Entry Screens on Web Client

Edit

Comment

Assign

More ▾

Resolve

Details

Type: Epic

Priority: Must Have

Component/s: Configure Entry Screens, Samples Entry

Labels: None

Status: RESOLVED (View Workflow)

Resolution: Released

Field Tab

Disposition and Release

Epic Name: Web Client Entry Screens

Application Type: Web Client

Product Name: Freezerworks 2020

Edition: Ascent, Summit, Pinnacle

Source: In House

Description

Configure entry screens on Web Client for use on Web client

TestRail: Results

No test results in TestRail are linked to this issue.

All Results

For Tests

For Cases

Attachments

Drop files to attach, or browse.

Timetracker

<<

>>

2020, October

Log Work

User

Total Logged

People

Assignee: Unassigned

Reporter: Cheryl Michels

Watchers: 0 Start watching this issue

Dates

Created: 03/Dec/19 3:14 PM

Updated: Just now

Resolved: Just now

Agile

View on Board

TestRail: Cases







No test cases in TestRail are linked to this issue.

Add Test Case

































Testing Artifact Sample: Detailed view of an Epic (Grouping of Feature Requests) in the Jira database (continued)

Issues in Epic					+
Issue ID	Issue Description	Status	Assignee	Labels	
FW-51886	Save new Sample, new Aliquot	RESOLVED	Unassigned		
FW-51890	Update calculated fields	RESOLVED	Unassigned		
FW-51889	Populate default values	RESOLVED	Unassigned		
FW-52300	Number of Aliquots needs to be required on Aliquot Forms	READY FOR FORMAL V...	Cheryl Michels		
FW-52304	Double-clicking an Aliquot on the Inventory List View	READY FOR FORMAL V...	Cheryl Michels		
FW-51961	Search Audit Trail in desktop client for changes made to Web Entry forms	READY FOR FORMAL V...	Cheryl Michels		
FW-52628	Display Samples on Patients Entry Form	READY FOR FORMAL V...	Cheryl Michels		
FW-52305	Change label on all Cancel buttons for Patients/Samples/Aliquots entry	READY FOR FORMAL V...	Cheryl Michels		
FW-52420	No error if no default Samples entry form is set	READY FOR FORMAL V...	Cheryl Michels		
FW-52421	Enter multiple unique values on Aliquots entry screen in Web client	READY FOR FORMAL V...	Cheryl Michels		
FW-51863	Print labels from selected Aliquots on a single Samples entry form	READY FOR FORMAL V...	Cheryl Michels		
FW-51939	View detail screen for Tests from Web Client Inventory List View	READY FOR FORMAL V...	Cheryl Michels		
FW-51892	Audit Trail reasons on Web Client	READY FOR FORMAL V...	Cheryl Michels		
FW-52379	Review Audit Trail Entries for saving data on Web Client	APPROVED	Cheryl Michels		
FW-52449	Error when attempting to verify action on Unavailable Aliquot	READY FOR FORMAL V...	Cheryl Michels		
FW-52123	Give Confirmation Message when leaving Sample Record	READY FOR FORMAL V...	Cheryl Michels		
FW-51884	Create another checkbox	RESOLVED	Unassigned		
FW-51862	Load Sample record Read Only on the Web Client	RESOLVED	Unassigned		
FW-51891	Modify existing Samples, Aliquots, Patients	RESOLVED	Unassigned		
FW-51859	Allow placement of graphical images on Samples/Aliquots entry screens	PASSED VALIDATION	Daniel Michels		
FW-51931	Include current Notes field on Samples Entry Form	RESOLVED	Unassigned		
FW-51881	Warning on any PHI field added to an entry screen	READY FOR FORMAL V...	Cheryl Michels		

Testing Artifact Sample: Detailed view of an Epic (Grouping of Feature Requests) in the Jira database (continued)

FW-51683	Configure Samples Entry Form - API - Retrieve Forms Data		IN TEST CASE DEVELOP...	Unassigned
FW-51914	Configure Samples Entry Form - Web Client		READY FOR FORMAL V...	Cheryl Michels
FW-51925	Configure Aliquots Entry - API		IN TEST CASE DEVELOP...	Unassigned
FW-51858	Display Aliquots in separate tab on Samples entry form		READY FOR FORMAL V...	Cheryl Michels
FW-51853	Allow Panels to have multiple columns of fields (1 through 4)		PASSED VALIDATION	Daniel Michels
FW-51857	Display Aliquots in collapsible Section on entry form		REVIEWED	Unassigned
FW-51888	Display color formatting during data entry		REVIEWED	Unassigned
FW-51854	Allow Panels to be grouped into collapsible Sections		REVIEWED	Unassigned
FW-51865	Lineage tab on web client		APPROVED	Unassigned
FW-51866	Workflow History on Web Client		APPROVED	Unassigned
FW-51869	Add charts to Patient and Sample entry screens		REVIEWED	David Michels
FW-51882	Next and previous buttons		REVIEWED	Unassigned
 FW-51851	Upgrade existing entry forms to web version		RESOLVED	Unassigned
FW-51864	Create form templates with guidance text to help admins configure forms		REVIEWED	Unassigned
FW-51868	Display dial for Count fields		REVIEWED	Unassigned
FW-51871	Link Samples to Study and Visit		REVIEWED	Unassigned
FW-51872	Add and open Attachments		REVIEWED	Unassigned
FW-51873	Eliminate Notes tab		REVIEWED	Unassigned
FW-51876	Delete Aliquots		REVIEWED	Unassigned
FW-51943	View editable Tests tab on Sample Entry Screen		REVIEWED	Unassigned
FW-51928	Configure Samples Entry API - Save Forms Data		IN TEST CASE DEVELOP...	Unassigned
FW-51856	Allow multiple Sample pages per form		PASSED VALIDATION	Daniel Michels
 FW-51993	Audit Trail Reasons		RESOLVED	David Michels

Testing Artifact Sample: Detailed view of an Epic (Grouping of Feature Requests) in the Jira database (continued)

FW-51995	API Endpoint for Saving new or modified Samples		IN TEST CASE REVIEW	Cheryl Michels
FW-52052	Visual cue for read only fields during configure entry forms on web client		READY FOR FORMAL V...	Cheryl Michels
FW-52057	Add Default Entry Form to Web User Preferences		READY FOR FORMAL V...	Cheryl Michels
 FW-52058	Display Form to add record		RESOLVED	Nate Rheaume
FW-52059	New Sample Record UI		READY FOR FORMAL V...	Cheryl Michels
FW-52060	Load existing record for potential modification		READY FOR FORMAL V...	Cheryl Michels
FW-52062	Save Sample record on Web Client		READY FOR FORMAL V...	Cheryl Michels 
 FW-52063	UI for selecting available entry forms		RESOLVED	Unassigned
FW-52065	API for getting auto incrementing field data for new records		IN TEST CASE REVIEW	Cheryl Michels
 FW-52066	Add fields to UDF table to store dependency definitions		RESOLVED	Cheryl Michels
FW-51861	Configure Aliquots Entry - Web Client		READY FOR FORMAL V...	Cheryl Michels
 FW-52067	Add API Endpoint for retrieving the locked status of a Sample		RESOLVED	David Michels
FW-52068	Add API Endpoint for loading a Sample for view or potential modification		IN TEST CASE DEVELOP...	Allen Chung
FW-52069	Sprint Review 1 Minor Changes		READY FOR FORMAL V...	Cheryl Michels
 FW-52072	Modify API to include Default Entry Form User Preference		DONE	Joshua Michels
FW-52126	Implement Double-Data Entry		APPROVED	Unassigned
FW-52128	Date and Time Validation on leaving field.		IN TEST CASE REVIEW	Cheryl Michels
FW-52301	Allow Aliquot listbox columns to be resize-able		REVIEWED	Unassigned
FW-52166	Better Messaging when a Sample is saved		APPROVED	Unassigned
FW-51860	Configure Patients Entry Screens for the web client		READY FOR FORMAL V...	Cheryl Michels
FW-51887	Save Patient		READY FOR FORMAL V...	Cheryl Michels
FW-52061	Field by field data integrity		READY FOR FORMAL V...	Cheryl Michels
FW-52202	API for Aliquots Entry		IN TEST CASE DEVELOP...	Allen Chung
FW-52173	Handle order of Aliquot field columns in Samples Entry		READY FOR FORMAL V...	Cheryl Michels
FW-51867	Audit Trail		READY FOR FORMAL V...	Cheryl Michels
FW-51870	Allow users to link Samples to Patients on Web Client		READY FOR FORMAL V...	Cheryl Michels

Testing Artifact Sample: Detailed view of an Epic (Grouping of Feature Requests) in the Jira database (continued)

FW-52173	Handle order of Aliquot field columns in Samples Entry		READY FOR FORMAL V...	Cheryl Michels
FW-51867	Audit Trail		READY FOR FORMAL V...	Cheryl Michels
FW-51870	Allow users to link Samples to Patients on Web Client		READY FOR FORMAL V...	Cheryl Michels
FW-52257	Newly created fields do not show up in Entity Selections		READY FOR FORMAL V...	Cheryl Michels
FW-52255	Fix how the API returns time values		READY FOR TESTING	Andrew Michels
FW-52295	Aliquot Field names are saved with the Entry Form configuration		RESOLVED	Unassigned
FW-52296	Aliquots Listbox in Samples Entry can't sort with Nulls		READY FOR FORMAL V...	Cheryl Michels
FW-52302	Allow multiple pages/tabs of the Web Client to be opened		REVIEWED	Unassigned
FW-52303	Add a ribbon of Sample fields to the top of the Aliquots page		APPROVED	Unassigned
FW-52325	API for Configure Patient Entry Screen		IN TEST CASE DEVELOP...	Unassigned
FW-52326	API for Saving Patient Data		CODE REVIEW COMPLE...	Cheryl Michels
FW-52327	API for Retrieving Audit Trail		IN TEST CASE REVIEW	Cheryl Michels
FW-52329	API for Add, Modify, Delete Transactions		READY FOR CODE REVI...	Cheryl Michels
FW-52330	API for linking Samples to Patients		READY FOR CODE REVI...	Cheryl Michels
FW-52331	API to check uniqueness of multiple fields returned with new Aliquots		READY FOR CODE REVI...	Cheryl Michels
FW-51875	Freezer Position graphic on Aliquots entry screens		READY FOR FORMAL V...	Cheryl Michels
FW-52350	Description field is empty for web Entry Forms		READY FOR FORMAL V...	Cheryl Michels
FW-52338	Field dependencies continued		READY FOR FORMAL V...	Cheryl Michels
FW-52431	Allow adding/editing of Patients from the Samples Entry Screen		READY FOR FORMAL V...	Cheryl Michels
FW-51877	Process workflow from Samples entry screen		READY FOR FORMAL V...	Cheryl Michels
FW-51874	Add, modify, and delete Transactions on individual Aliquot		READY FOR FORMAL V...	Cheryl Michels
FW-51878	SubAliquot Workflow		READY FOR FORMAL V...	Cheryl Michels
FW-52627	Unable to edit existing Transaction		RESOLVED	Unassigned

Testing Artifact Sample: Error Reports corrected throughout the Release

Jira Software
DWD JIRA Prod
Dashboards
Projects
Issues
Boards
TimeTracker
TestRail
Create
Search

New search
« Search Save as
Share

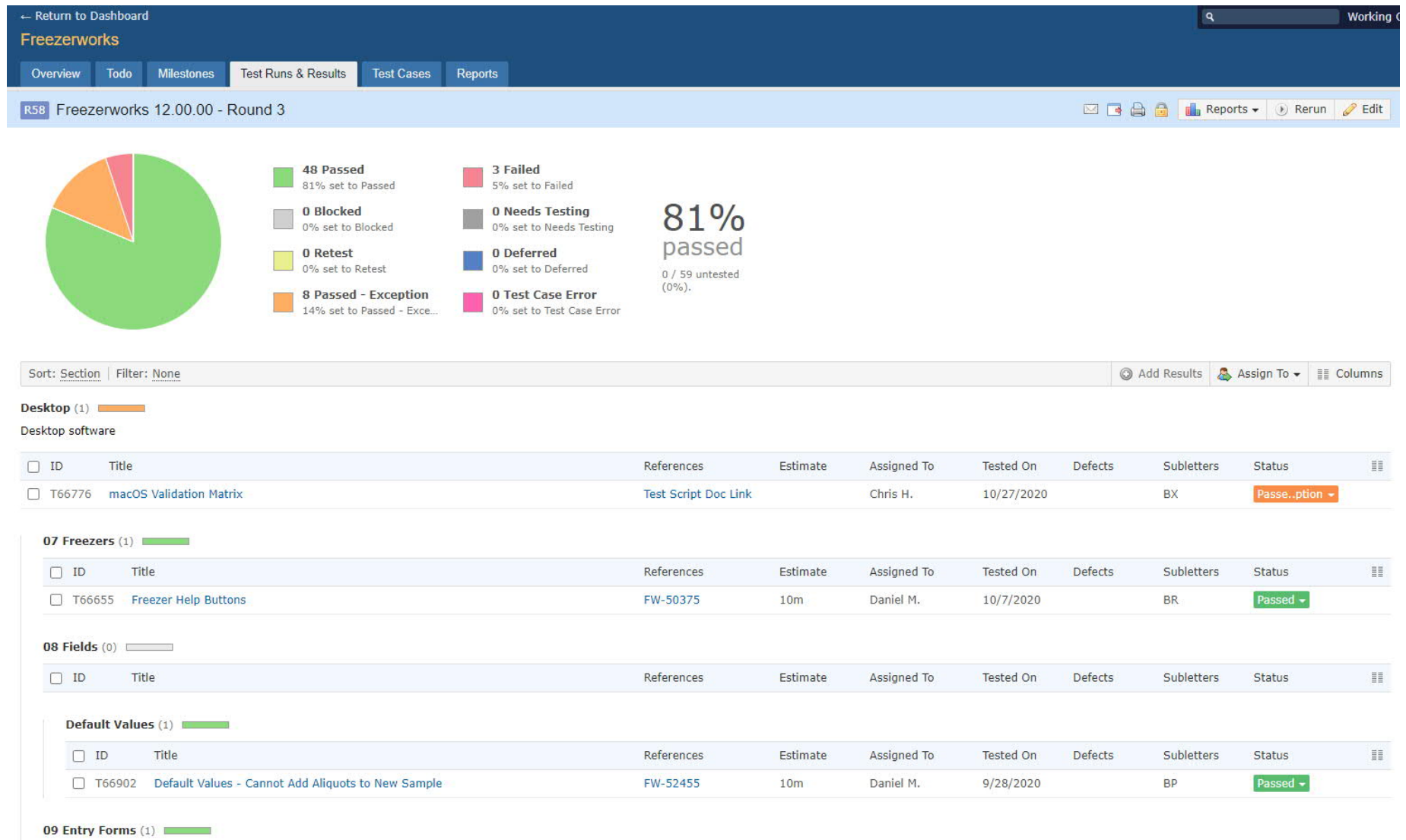
Find filters
FILTERS
My open issues
Reported by me
All issues
Open issues
Done issues
Viewed recently
Created recently
Resolved recently
Updated recently
FAVORITE FILTERS
10,0AK Reported ...
Andrew's Pendin...
Andrew's Recent ...
Collaborative Tas...
Currently Slated f...
FW2020 TEST CA...
New Issues from ...
New QA Issues A...
Pending Errors fr...
Pending Errors fr...
Pending Features...
Pending Features...
UEC 2019

Freezerworks
Error
Passed Validation
Assignee: All
Contains text
More
Search
Advanced
Scheduled Release Version: 12.0

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Created	Key	Summary	Status	Reporter	Scheduled Release Version	Components	Code Changed In De
02/Sep/20	FW-54359	Mac - Explore Freezers	PASSED VALIDATION	Chris Herrick	12.0	Explore Freezers	BO
22/Sep/20	FW-54576	Value entered as '0' in aliquot numeric field saves as blank	PASSED VALIDATION	Esther Edwin	12.0	User Defined Fields	BO
17/Sep/20	FW-54534	Deleting patients using "Delete Patients and associated Sample Information" causes adverse effects.	PASSED VALIDATION	Chris Herrick	12.0	Delete Samples, Patient Management	BN
17/Sep/20	FW-54532	Value of Owner Name field changed to current group after saving Sample	PASSED VALIDATION	Esther Edwin	12.0	User Defined Fields	BN
17/Sep/20	FW-54530	Some calculated fields incorrectly blank after creating aliquots	PASSED VALIDATION	Esther Edwin	12.0	User Defined Fields	BN
16/Sep/20	FW-54527	Acting on Aliquots within a Sample Record causes Patient choice list to lose its display	PASSED VALIDATION	Chris Herrick	12.0	Delete Aliquots, Patient Management, Samples Entry	BN
15/Sep/20	FW-54495	Clicking <Delete Transactions> without highlighting a transaction record does not behave properly	PASSED VALIDATION	Chris Herrick	12.0	Aliquots Entry, Transactions	BN
15/Sep/20	FW-54494	Unable to clear Transaction Date when modifying an existing Transaction	PASSED VALIDATION	Chris Herrick	12.0	Transactions	BN
11/Sep/20	FW-54471	Viewing a Patient after creating a Sample breaks the list view	PASSED VALIDATION	Seth Michels	12.0	List View, Patient Entry, Samples Entry	BN
11/Sep/20	FW-54461	AuditTrail endpoint not returning error on non-existent patients and aliquots	PASSED VALIDATION	Allen Chung	12.0	API, Audit Trail	BN
10/Sep/20	FW-54453	Error saying Audit Trail Reasons required for Alpha 3A but user is unable to add reasons	PASSED VALIDATION	Esther Edwin	12.0	Audit Trail	BN
10/Sep/20	FW-54450	Audit trail Reasons required for MultiSelect 1 but user is unable to add reasons	PASSED VALIDATION	Esther Edwin	12.0	Audit Trail	BN
10/Sep/20	FW-54442	"Set all reasons" doesn't set all Audit Trail Reasons in Process Workflow	PASSED VALIDATION	Esther Edwin	12.0	Audit Trail, Process Workflow	BN
26/Aug/20	FW-54298	Incorrect value for Sample Sum 2, which sums Numeric 1A in aliquots with Aliquot Type equal to DOP	PASSED VALIDATION	Esther Edwin	12.0	User Defined Fields	BN
26/Aug/20	FW-54296	Incorrect value for Sample Count 2, which counts aliquots with Current Amount equal to 1	PASSED VALIDATION	Esther Edwin	12.0	User Defined Fields	BN
20/Aug/20	FW-54229	Corrupted Freezer Positions during Import/Interactive Auto-Assign	PASSED VALIDATION	Sabrina Kelley	12.0	Import	BN
07/Jul/20	FW-53411	Some fields which should have default values either do not or have incorrect default value	PASSED VALIDATION	Esther Edwin	12.0	Samples Entry, User Defined Fields Operation	BN
15/Sep/20	FW-54510	Linking a Patient to a Sample then adding aliquots, unlinks the patient.	PASSED VALIDATION	Chris Herrick	12.0	Patient Entry, Samples Entry	BN
14/Sep/20	FW-54461	Can't update a Patient Entry Form with Audit Trail Reasons enabled.	PASSED VALIDATION	Chris Herrick	12.0	Configure Entry Screens	BN
26/Aug/20	FW-54314	Trying to save edits to Sample's current patient doesn't work, and canceling edits shows user a Patients rather than Samples Entry Form	PASSED VALIDATION	Esther Edwin	12.0	Patient Entry, Samples Entry	BN
26/Aug/20	FW-54315	Auto Read Only field with value dependent on Patient field doesn't update when patient field is changed	PASSED VALIDATION	Esther Edwin	12.0	Patient Entry, Samples Entry, User Defined Fields	BN
27/Aug/20	FW-54318	Patient fields blank after saving sample for which linked patient was changed	PASSED VALIDATION	Esther Edwin	12.0	Samples Entry	BN
11/Sep/20	FW-54457	Changing QC Field to Scan for Reconciliation in Workflow template keeps QC Check in workflow started from List View from recognizing values	PASSED VALIDATION	Esther Edwin	12.0	Process Workflow	BN
15/Sep/20	FW-54499	Clicking <View Box> in Aliquots Entry for Aliquots assigned to a non-unique Freezer Section causes page to load infinity	PASSED VALIDATION	Esther Edwin	12.0	Aliquots Entry	BN
08/Sep/20	FW-54413	Aliquots Audit Trail showing Alpha 2A value for Boolean 1A for some new aliquots, missing Boolean 1A line for another	PASSED VALIDATION	Esther Edwin	12.0	Audit Trail	BN
09/Sep/20	FW-54421	Line in Audit Trail for modifying Boolean 1 has incorrect New & Original values	PASSED VALIDATION	Esther Edwin	12.0	Audit Trail	BN
09/Sep/20	FW-54426	Extra Audit Trail lines for Patient created to link to Sample	PASSED VALIDATION	Esther Edwin	12.0	Audit Trail	BN

Freezerworks 2021, version 12.0.00, TestRail – Formal Validation Test Run (Rounds 3 and 4)



Freezerworks 2021, version 12.0.00, TestRail – Formal Validation Test Run continued (pg. 2 of 9)

Sort: Section Filter: None									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T67907	Filter Entry Form Selection	FW-54669	15m	Chris H.	10/12/2020		BU	Passed
24 Import (1)									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T67851	Import with Non-consecutive Freezer Sections	FW-54229	10m	Esther E.	10/2/2020		BR	Passed
46 Scheduled Search Email (1)									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T66612	46 Scheduled Search Email	Test Script Doc Link	1h 30m	Chris H.	10/2/2020		BP	Passes..ption
54 Client Licenses (1)									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T67858	54.4 Client Licenses Upgrade Server Data in Standalone	FW-54323	30m	Daniel M.	10/5/2020		BR	Passed
105 Workflows (5)									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T66058	105 - Configure Workflows UI	Test Script Doc Link	3h	Daniel M.	9/17/2020		BM	Passed
<input type="checkbox"/>	T66659	105.1 Process Workflows	Test Script Doc Link	4h	Daniel M.	9/21/2020		BM	Passed
<input type="checkbox"/>	T67802	QC Recon results remembered between workflows - should not be	FW-54156	15m	Daniel M.	9/16/2020		BM	Passed
<input type="checkbox"/>	T67837	Order Tests OFF but Modifiable during Processing ON	FW-54009	10m	Esther E.	10/2/2020		BQ	Passed
<input type="checkbox"/>	T67879	Null Values stay Null when incremented/decremented during Workflow	FW-53131	15m	Esther E.	10/2/2020		BQ	Passed
Study Management (1)									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T67991	Print Patient data on Visit Label	FW-54055	20m	Esther E.	10/14/2020	FW-54055	BV	Failed
Web Client (17)									

Freezerworks 2021, version 12.0.00, TestRail – Formal Validation Test Run continued (pg. 3 of 9)

<input type="checkbox"/> ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/> T66149	WS14 Web Client Requisitions	Test Script Doc Link	1h	Esther E.	9/21/2020		BM	Passed ▾	
<input type="checkbox"/> T66151	WS16 Processing Workflows	Test Script Doc Link	4h 30m	Esther E.	9/28/2020		BP	Passed ▾	
<input type="checkbox"/> T66154	WS19 Audit Trail	Test Script Doc Link	1h	Chris H.	10/6/2020		BS	Passed ▾	
<input type="checkbox"/> T66903	WS25.1 Transactions	FW-51874	1h	Chris H.	9/25/2020		BP	Passed ▾	
<input type="checkbox"/> T66904	WS33 Aliquot Status	FW-52540	45m	Daniel M.	9/25/2020		BP	Passed ▾	
<input type="checkbox"/> T66909	WSB1 Base Edition Testing	FW-52378	45m	Daniel M.	9/29/2020		BQ	Passed ▾	
<input type="checkbox"/> T66912	WS19.1 Audit Trail with Reasons	FW-52675	2h 30m	Esther E.	10/7/2020		BS	Passed ▾	
<input type="checkbox"/> T66921	WS26 Deleting Patients, Samples, Aliquots	FW-52573	1h	Chris H.	10/13/2020	FW-54765	BU	Failed ▾	
<input type="checkbox"/> T66925	WS31 Field Security	FW-52980	45m	Esther E.	10/1/2020		BQ	Passed ▾	
<input type="checkbox"/> T66926	WS32 Locked Records	FW-52067	45m	Daniel M.	9/30/2020		BQ	Passed ▾	>
<input type="checkbox"/> T66929	WS16.1 Processing Sub-Aliquot Workflows	N/A	5h	Esther E.	10/1/2020		BQ	Passed ▾	
<input type="checkbox"/> T66936	WS8 Login and Homepage	FW-53152	2h	Daniel M.	9/18/2020		BM	Passed ▾	
<input type="checkbox"/> T67795	Edit Freezer Position Twice on Aliquot Page (FW-54135)	FW-54135	10m	Daniel M.	9/17/2020		BM	Passed ▾	
<input type="checkbox"/> T67809	Logging in with Different Date Formats	FW-53046	10m	Esther E.	9/18/2020		BM	Passed ▾	
<input type="checkbox"/> T67823	Creating Samples and Patients while using the List View	FW-54471	15m	Esther E.	10/2/2020		BQ	Passed ▾	
<input type="checkbox"/> T67914	Admin user has no access to Web Client	FW-54695	10m	Chris H.	10/9/2020		BT	Passed ▾	
<input type="checkbox"/> T67984	Aliquots with "Can Requisition" checked OFF are prevented from being a part of new requisiti...	FW-54749 , FW-44070	15m	Daniel M.	10/13/2020		BU	Passed ▾	

Web Client Search (4)

All things search in Web Client

<input type="checkbox"/> ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/> T66143	WS9 Search and List View	Test Script Doc Link	4h 30m	Esther E.	10/14/2020		BV	Passed ▾	
<input type="checkbox"/> T66144	WS9.1 Search by ID	Test Script Doc Link	40m	Daniel M.	9/24/2020		BO	Passed ▾	
<input type="checkbox"/> T67781	Attempt to modify someone else's Saved Search on Web Client	FW-54238	10m	Daniel M.	9/16/2020		BL	Passed ▾	
<input type="checkbox"/> T67956	FW-54681: Transaction ID should not be included in search fields list	fw-54681	10m	Esther E.	10/9/2020		BT	Passed ▾	



Freezerworks 2021, version 12.0.00, TestRail – Formal Validation Test Run continued (pg. 4 of 9)

Web Client Charts (7)

Charts section of the dashboards

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/>	T65759	Assign to Groups	FW-47084		Chris H.	9/22/2020	FW-53730	BN	Passed 	
<input type="checkbox"/>	T66090	Column Charts - Data Integrity	FW-47085, FW-47763		Chris H.	9/22/2020		BN	Passed 	
<input type="checkbox"/>	T66092	Misc. Chart Testing	FW-47085, FW-47763		Chris H.	9/22/2020	FW-53741	BN	Passed 	
<input type="checkbox"/>	T66130	Charts with Show Null Values checked ON	FW-48204		Chris H.	9/22/2020		BN	Passed 	
<input type="checkbox"/>	T66111	Column Chart with Single Select Choice Lists for XAxis and GroupBy Field	FW-48158		Chris H.	9/22/2020		BN	Passed 	
<input type="checkbox"/>	T65950	Freezer Fields are available in xAxis and GroupBy on Charts	FW-47799		Esther E.	10/9/2020		BT	Passed 	
<input type="checkbox"/>	T67732	Searching from a Dashboard	FW-54353, FW54454		Esther E.	10/5/2020	FW-54680	BR	Passed 	

Web Client Import (2)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/>	T66147	WS12 Web Client Import	Test Script Doc Link	3h	Daniel M.	10/8/2020		BS	Passed 	
<input type="checkbox"/>	T67900	Web Client Import Boolean fields	FW-53203	20m	Esther E.	10/5/2020		BR	Passed 	

Web Client Samples Entry (8)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/>	T66916	WS23.2 Samples Entry Data Integrity	FW-46030	3h 30m	Daniel M.	10/9/2020	FW-54737	BT	Failed 	
<input type="checkbox"/>	T66917	WS23.3 Freezer Position Assignment	FW-46030	1h	Daniel M.	10/8/2020		BS	Passed 	
<input type="checkbox"/>	T66918	WS23.4 Linking Samples to Patients	FW-46030	1h	Daniel M.	10/8/2020		BT	Passed 	>
<input type="checkbox"/>	T66915	WS23.1 Samples Entry UI	FW-46030	1h 30m	Esther E.	10/9/2020		BT	Passed 	
<input type="checkbox"/>	T67830	Default Time Fields with Different Time Formats	FW-52427	20m	Esther E.	10/5/2020		BR	Passed 	
<input type="checkbox"/>	T67921	Required Fields remain required after value being cleared	FW-52711	20m	Chris H.	10/12/2020		BU	Passed 	
<input type="checkbox"/>	T67949	Deletion of MultiSelect field values using X saves correctly	FW-54713	10m	Esther E.	10/12/2020		BU	Passed 	
<input type="checkbox"/>	T67977	Multiselect fields sometimes become BLANK and don't allow you to save the sample.	FW-54711	10m	Esther E.	10/12/2020		BU	Passed 	

Web Client Configure Samples Entry (1)

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Sort: Section

Filter: None

Add Results

Assign To

Columns

<input type="checkbox"/>	T67949	Deletion of MultiSelect field values using X saves correctly	FW-54713	10m	Esther E.	10/12/2020	BU	Passed
<input type="checkbox"/>	T67977	Multiselect fields sometimes become BLANK and don't allow you to save the sample.	FW-54711	10m	Esther E.	10/12/2020	BU	Passed

Web Client Configure Samples Entry (1)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T66913	WS21 Configure Samples Entry	FW-51914	3h 20m	Daniel M.	9/24/2020		BO	Passed

Web Client Configure Patients Entry (1)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T66914	WS22 Configure Patients Entry	FW-51860	1h 15m	Chris H.	9/29/2020		BP	Passed

Web Client Patients Entry (2)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T66920	WS24.2 Patients Entry Data Integrity	FW-52431	1h 30m	Chris H.	10/14/2020	FW-54505	BV	Pass..ption
<input type="checkbox"/>	T66922	WS28 Patient Alias	FW-47716	1h	Daniel M.	9/17/2020		BM	Passed

4D (3)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T65700	4D License - ODBC Login	FW-47373	30m	Beth M.	10/8/2020		BS	Passed
<input type="checkbox"/>	T65705	4D License - Multiple Clients	FW-47373	10m	Beth M.	10/7/2020		BS	Passed
<input type="checkbox"/>	T65706	4D License - SQL Views	FW-47373	20m	Beth M.	10/8/2020		BS	Passed

Installation (0)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
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Upgrade (1)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T66935	FW2020 Upgrade	FW-52805	1h	Daniel M.	9/16/2020		BL	Passed

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R59 Freezerworks 12.00.00 - Round 4

[Reports](#)
[Rerun](#)
[Edit](#)



■ **70 Passed**
85% set to Passed

■ **0 Blocked**
0% set to Blocked

■ **0 Retest**
0% set to Retest

■ **12 Passed - Exception**
15% set to Passed - Exce...

■ **0 Failed**
0% set to Failed

■ **0 Needs Testing**
0% set to Needs Testing

■ **0 Deferred**
0% set to Deferred

■ **0 Test Case Error**
0% set to Test Case Error

85%
passed

0 / 82 untested
(0%).

Sort: Section | Filter: None

[Add Results](#)
[Assign To](#)
[Columns](#)

Desktop (0)

Desktop software

<input type="checkbox"/> ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
02 Users (5) 									
<input type="checkbox"/> ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/> T67999	02.1 User Roles	Test Script Doc Link	1h 30m	Daniel M.	10/15/2020		BW	Passed ▾	
<input type="checkbox"/> T67998	02 Users	Test Script Doc Link	1h	Daniel M.	10/15/2020		BW	Passed ▾	
<input type="checkbox"/> T69221	Standalone - Extra columns in User List	FW-53033	5m	Daniel M.	10/15/2020		BW	Passed ▾	
<input type="checkbox"/> T68861	Users Change Password	FW-50228	10m	Daniel M.	10/15/2020		BW	Passed ▾	
<input type="checkbox"/> T69262	02 Users Base	n/a	10m	Daniel M.	10/15/2020		BW	Passed ▾	
07 Freezers (1) 									
<input type="checkbox"/> ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/> T68975	Freezer Help Buttons	FW-50375	10m	Daniel M.	10/19/2020		BW	Passed ▾	
08 Fields (0) 									

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Sort: [Section](#) | Filter: [None](#)

Add Results

Assign To

Columns

08 Fields (0)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	<div></div>
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Default Values (1)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	<div></div>
<input type="checkbox"/>	T69222	Default Values - Cannot Add Aliquots to New Sample	FW-52455	10m	Daniel M.	10/15/2020		BW	Passed	

09 Entry Forms (1)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	<div></div>
<input type="checkbox"/>	T69305	Filter Entry Form Selection	FW-54669	15m	Daniel M.	10/15/2020		BW	Passed	

24 Import (1)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	<div></div>
<input type="checkbox"/>	T69297	Import with Non-consecutive Freezer Sections	FW-54229	10m	Esther E.	10/15/2020		BW	Passed	

54 Client Licenses (5)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	<div></div>
<input type="checkbox"/>	T68940	54.1 Client Licenses (Client/Server Only)	Test Script Doc Link	10m	Daniel M.	10/16/2020		BM	Passed	
<input type="checkbox"/>	T69227	54.2 Client Licenses Standalone	FW-52377	30m	Daniel M.	10/16/2020		BW	Passed	
<input type="checkbox"/>	T69228	54.3 Client Licenses Upgrade Server	FW-52377	30m	Daniel M.	10/19/2020		BW	Passed	
<input type="checkbox"/>	T69261	54.1 Client Licenses Server Base Edition	FW-53013	30m	Daniel M.	10/19/2020		BW	Passed	
<input type="checkbox"/>	T69298	54.4 Client Licenses Upgrade Server Data in Standalone	FW-54323	30m	Daniel M.	10/19/2020		BW	Passed	

105 Workflows (5)

<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	<div></div>
<input type="checkbox"/>	T68378	105 - Configure Workflows UI	Test Script Doc Link	3h	Daniel M.	10/16/2020		BW	Passed	
<input type="checkbox"/>	T68979	105.1 Process Workflows	Test Script Doc Link	4h	Esther E.	10/16/2020	FW-54792, ...	BW	Passes	
<input type="checkbox"/>	T69290	QC Recon results remembered between workflows - should not be	FW-54156	15m	Daniel M.	10/16/2020		BW	Passed	
<input type="checkbox"/>	T69295	Order Tests OFF but Modifiable during Processing ON	FW-54009	10m	Esther E.	10/16/2020		BW	Passed	

Freezerworks 2021, version 12.0.00, TestRail – Formal Validation Test Run continued (pg. 8 of 9)

Sort: Section	Filter: None						Add Results	Assign To	Columns
<input type="checkbox"/> T69300	Order Pass on test numbers during processing on	FW-53130	15m	Esther E.	10/16/2020	BW	Passed		
<input type="checkbox"/> T69301	Null Values stay Null when incremented/decremented during Workflow	FW-53131	15m	Esther E.	10/16/2020	BW	Passed		
Study Management (1)									
<input type="checkbox"/> ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/> T69317	Print Patient data on Visit Label	FW-54055	20m	Esther E.	10/15/2020		BW	Passed	
Web Client (27)									
<input type="checkbox"/> ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status	
<input type="checkbox"/> T68459	WS4 Audit Trail	Test Script Doc Link	30m	Daniel M.	10/16/2020		BV	Passed	
<input type="checkbox"/> T68469	WS14 Web Client Requisitions	Test Script Doc Link	1h	Daniel M.	10/16/2020		BV	Passed	
<input type="checkbox"/> T68471	WS16 Processing Workflows	Test Script Doc Link	4h 30m	Daniel M.	10/21/2020	FW-54163	BX	Passed	
<input type="checkbox"/> T68474	WS19 Audit Trail	Test Script Doc Link	1h	Daniel M.	10/19/2020	FW-54419	BW	Passed	
<input type="checkbox"/> T69223	WS25.1 Transactions	FW-51874	1h	Daniel M.	10/21/2020		BX	Passed	
<input type="checkbox"/> T69224	WS33 Aliquot Status	FW-52540	45m	Chris H.	10/16/2020		BW	Passed	
<input type="checkbox"/> T69225	WS27 Web Client Print Labels	FW-51863	30m	Daniel M.	10/19/2020		BW	Passed	
<input type="checkbox"/> T69229	WSB1 Base Edition Testing	FW-52378	45m	Daniel M.	10/20/2020		BW	Passed	
<input type="checkbox"/> T69230	WSA1 Ascent Edition Testing	FW-51914	20m	Daniel M.	10/20/2020		BW	Passed	
<input type="checkbox"/> T69231	WSP1 Pinnacle Edition Testing	FW-52807; FW-528...	1h 30m	Daniel M.	10/21/2020		BW	Passed	
<input type="checkbox"/> T69232	WS19.1 Audit Trail with Reasons	FW-52675	2h 30m	Daniel M.	10/21/2020		BX	Passed	
<input type="checkbox"/> T69241	WS26 Deleting Patients, Samples, Aliquots	FW-52573	1h	Chris H.	10/15/2020		BW	Passed	
<input type="checkbox"/> T69243	WS29 Owner Security	FW-50200	30m	Chris H.	10/15/2020		BW	Passed	
<input type="checkbox"/> T69244	WS30 Freezer Security	FW-51861	1h	Chris H.	10/15/2020		BW	Passed	
<input type="checkbox"/> T69245	WS31 Field Security	FW-52980	45m	Chris H.	10/15/2020		BW	Passed	
<input type="checkbox"/> T69246	WS32 Locked Records	FW-52067	45m	Chris H.	10/15/2020		BW	Passed	
<input type="checkbox"/> T69247	WS34 Testing List View and Details	FW-51939	1h	Chris H.	10/19/2020		BW	Passed	
<input type="checkbox"/> T69249	WS16.1 Processing Sub-Aliquot Workflows	N/A	5h	Esther E.	10/15/2020		BW	Passed	
<input type="checkbox"/> T69256	WS8 Login and Homepage	FW-53152	2h	Chris H.	10/19/2020	FW-54818	BW	Passed	
<input type="checkbox"/> T69281	Single email workflow after multiple email workflow	FW-53989	10m	Esther E.	10/15/2020		BW	Passed	

Freezerworks 2021, version 12.0.00, TestRail – Formal Validation Test Run continued (pg. 9 of 9)

Sort: Section Filter: None						Add Results		Assign To	Columns
<input type="checkbox"/>	T69284	Audit Trail Reasons set to Change with New Record	FW-54445	20m	Daniel M.	10/19/2020	BW	Passed	▼
<input type="checkbox"/>	T69289	Edit Freezer Position Twice on Aliquot Page (FW-54135)	FW-54135	10m	Esther E.	10/16/2020	BW	Passed	▼
<input type="checkbox"/>	T69291	Logging in with Different Date Formats	FW-53046	10m	Chris H.	10/16/2020	BW	Passed	▼
<input type="checkbox"/>	T69293	Creating Samples and Patients while using the List View	FW-54471	15m	Chris H.	10/16/2020	BW	Passed	▼
<input type="checkbox"/>	T69306	Admin user has no access to Web Client	FW-54695	10m	Chris H.	10/16/2020	BW	Passed	▼
<input type="checkbox"/>	T69316	Aliquots with "Can Requisition" checked OFF are prevented from being a part of new requisiti...	FW-54749, FW-44070	15m	Esther E.	10/16/2020	BW	Passed	▼
<input type="checkbox"/>	T70102	Additional Transactions Testing	FW-54536		Esther E.	10/27/2020	BZ	Passed	▼

API Tests (1)									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T68562	WS18 Import Test (API Only) - Automated	WS18-Imports-Auto...		Allen C.	10/21/2020		BX	Passed

Web Client Search (7)									
All things search in Web Client									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T68463	WS9 Search and List View	Test Script Doc Link	4h 30m	Chris H.	10/21/2020		BX	Pass...ption
<input type="checkbox"/>	T68464	WS9.1 Search by ID	Test Script Doc Link	40m	Daniel M.	10/20/2020		BW	Passed
<input type="checkbox"/>	T69287	Attempt to modify someone else's Saved Search on Web Client	FW-54238	10m	Chris H.	10/16/2020		BW	Passed
<input type="checkbox"/>	T69312	FW-54681: Transaction ID should not be included in search fields list	fw-54681	10m	Chris H.	10/16/2020		BW	Passed
<input type="checkbox"/>	T70078	Freezer Alias to Not Display on Web Client	FW-54878		Daniel M.	10/26/2020		BX	Passed
<input type="checkbox"/>	T70086	Pinnacle list views that include Visits	FW-54858		Chris H.	10/27/2020		BZ	Passed
<input type="checkbox"/>	T70094	Only the relevant Participant Study IDs display on the Visit List View	FW-54858		Chris H.	10/27/2020		BZ	Passed

Web Client Import (2)									
<input type="checkbox"/>	ID	Title	References	Estimate	Assigned To	Tested On	Defects	Subletters	Status
<input type="checkbox"/>	T68467	WS12 Web Client Import	Test Script Doc Link	3h	Esther E.	10/21/2020		BX	Passed
<input type="checkbox"/>	T69304	Web Client Import Boolean fields	FW-53203	20m	Daniel M.	10/19/2020		BW	Passed



Certificate of Validation

Dataworks Development, Inc. hereby certifies that its latest product, Freezerworks® 2021 version 12.0.00, has been developed using the highest possible design and coding standards as set forth in the Dataworks Software Development Life Cycle.

Freezerworks® 2021 has undergone formal in-house validation testing in the Windows and Macintosh operating systems as well as Chrome, Edge, and Firefox for Web Client. The validation test cases and scripts are written to ensure that the software program performs in a manner consistent with the approved functional specifications for this version. They include new code tests as well as regression testing.

Dataworks will maintain validation documentation on-site at the main Dataworks offices in Mountlake Terrace, Washington. Access to the documentation will be available to customers (non-disclosure agreement required) and authorized governmental or regulatory agencies.

Freezerworks® 2021 has passed all Dataworks validation requirements and procedures and is hereby approved for release on November 2nd 2020.

A handwritten signature in blue ink, appearing to read 'A. Michels', positioned above a horizontal line.

Andrew Michels
Dataworks Development, Inc.
Vice President, Head of Quality Assurance