

Role Permission Test Report

Server: dev

Test Date: 2025-10-21 22:44:54

Total Role Configurations: 26

Permission Test Reference

This section provides detailed descriptions of each permission test available in the testing framework. Each test validates specific functionality and access rights within Clarity LIMS.

Authentication & Access

Clarity Login	Tests ability to authenticate and access the Clarity LIMS web interface. Verifies successful login and dashboard loading.
Api Login	Tests ability to authenticate and connect to the Clarity LIMS API programmatically using s4 library credentials.
Collaborations Login	Tests access to the Collaborations module interface. Verifies module availability and login.
Operations Login	Tests access to the Operations module interface. Verifies module availability and functionality.
Url Check	Tests that protected URLs redirect unauthenticated users to login. Verifies access control for all major system pages.

Project Management

Create Project	Tests permission to create new projects in Clarity LIMS. Verifies the NEW PROJECT button is accessible and project creation completes successfully.
Delete Project	Tests permission to delete existing projects. Verifies the delete button is available and project deletion can be executed.

Sample Management

Create Sample	Tests permission to create new samples within projects. Verifies sample creation workflow and required fields.
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Delete Sample	Tests permission to delete samples from the system. Verifies delete functionality and proper cleanup.
Update Sample	Tests permission to modify existing sample information. Verifies edit capabilities for sample metadata and properties.
Sample Workflow Assignment	Tests permission to assign samples to workflows. Verifies the workflow assignment interface and successful sample routing.
Move To Next Step	Tests permission to progress samples through workflow steps. Verifies step completion and transition capabilities.
Remove Sample From Workflow	Tests permission to remove samples from assigned workflows. Verifies removal process and workflow cleanup.
Sample Rework	Tests permission to send samples back for rework. Verifies rework functionality and sample status updates.
Review Escalated Samples	Tests permission to review and handle escalated samples. Verifies access to escalation queues and resolution capabilities.
Requeue Sample	Tests permission to requeue samples in the workflow system. Verifies requeue functionality and proper queue management.

Workflow Operations

Edit Completed Steps	Tests permission to edit steps that have been marked as completed. Verifies edit confirmation dialogs and modification capabilities.
Overview Dashboard	Tests access to the Overview Dashboard. Verifies dashboard loading and display of system-wide metrics.

User Management

Create User	Tests permission to create new user accounts. Verifies user creation form access and successful account creation.
Read User	Tests permission to view user information and profiles. Verifies access to user management interface and user details.
Update User	Tests permission to modify existing user accounts. Verifies edit capabilities for user properties and roles.
Delete User	Tests permission to delete user accounts from the system. Verifies delete functionality and user removal process.

Quality Control

Create Control	Tests permission to create quality control samples. Verifies control creation interface and successful setup.
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Update Control	Tests permission to modify existing quality control samples. Verifies edit capabilities for control properties.
Delete Control	Tests permission to delete quality control samples. Verifies control deletion and proper cleanup.

Reagent Management

Create Reagent Kit	Tests permission to create reagent kit records. Verifies kit creation workflow and required fields.
Update Reagent Kit	Tests permission to modify reagent kit information. Verifies edit capabilities for kit metadata.
Delete Reagent Kit	Tests permission to delete reagent kit records. Verifies deletion process and inventory cleanup.

Process Management

Create Process	Tests permission to create new process definitions. Verifies process creation workflow and configuration options.
Read Process	Tests permission to view process information and definitions. Verifies access to process details and configurations.
Update Process	Tests permission to modify existing process definitions. Verifies edit capabilities for process configurations.
Delete Process	Tests permission to delete process definitions. Verifies deletion and impact on existing workflows.

Role Management

Create Role	Tests permission to create new user roles. Verifies role creation interface and permission assignment.
Update Role	Tests permission to modify existing roles and their permissions. Verifies role edit capabilities.
Delete Role	Tests permission to delete user roles from the system. Verifies role deletion and user impact.

Contact Management

Create Contact	Tests permission to create contact records. Verifies contact creation form and required information.
Read Contact	Tests permission to view contact information. Verifies access to contact management interface.

Update Contact	Tests permission to modify contact records. Verifies edit capabilities for contact details.
Delete Contact	Tests permission to delete contact records. Verifies deletion process and cleanup.

System Administration

Update Configuration	Tests permission to modify system configuration settings. Verifies access to configuration interface.
Esignature Signing	Tests permission to use electronic signature functionality. Verifies e-signature workflows and validation.
Search Index	Tests permission to use search functionality. Verifies search interface and result access.
Administer Lab Link	Tests permission to administer lab link integrations. Verifies lab link management capabilities.

Summary Statistics

Metric	Count
Role Configurations Tested	26
Total Test Executions	30
Tests Passed (as expected)	14
Tests Failed (unexpected)	16
Errors Encountered	0
Total Execution Time	696.2s
Average Time per Test	23.2s

Detailed Test Results by Role

Role: BTO - API (BASE)

Tests: 1 | Passed: 1 | Failed: 0 | Errors: 0
Total Execution Time: 16.0s | Average: 16.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✗	✗	16.0s	PASS	clarity_login_20251021_224158.png

Role: BTO - API + Editor

Tests: 2 | Passed: 1 | Failed: 1 | Errors: 0

Total Execution Time: 17.9s | Average: 9.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✗	✗	16.6s	PASS	clarity_login_20251021_224234.png
Edit Completed Steps	✓	✗	1.3s	FAIL	edit_completed_steps_20251021_224238.png

Role: BTO - API + Reagent Manufacturing (BTO)

Tests: 3 | Passed: 1 | Failed: 2 | Errors: 0

Total Execution Time: 46.0s | Average: 15.3s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✗	✗	14.7s	PASS	clarity_login_20251021_224255.png
Create Control	✓	✗	15.7s	FAIL	create_control_fail_20251021_224314.png
Delete Control	✓	✗	15.6s	FAIL	delete_control_fail_20251021_224332.png

Errors:

- Create Control: Consumables tab not found — permission denied or hidden.
- Delete Control: Consumables tab not found — permission denied or hidden.

Role: BTO - API + ReviewEscalations

Tests: 2 | Passed: 1 | Failed: 1 | Errors: 0

Total Execution Time: 76.1s | Average: 38.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✗	✗	14.1s	PASS	clarity_login_20251021_224349.png
Review Escalated Samples	✓	✗	62.0s	FAIL	review_escalated_samples_fail_20251021_224424.png

Errors:

• Review Escalated Samples: Locator.click: Timeout 30000ms exceeded. Call log: - waiting for get_by_role("link", name=re.compile(r"PROJECTS & Samples", re.IGNORECASE))

Role: BTO - API + Sample Creation (BTO)

Tests: 1 | Passed: 1 | Failed: 0 | Errors: 0

Total Execution Time: 15.0s | Average: 15.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	<i>x</i>	<i>x</i>	15.0s	PASS	clarity_login_20251021_224215.png

Role: Lab Admin (BTO) (BASE)

Tests: 0 | Passed: 0 | Failed: 0 | Errors: 0

Total Execution Time: 0.0s | Average: 0.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
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Role: Lab Admin (BTO) + Editor

Tests: 1 | Passed: 0 | Failed: 1 | Errors: 0

Total Execution Time: 3.6s | Average: 3.6s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Edit Completed Steps	✓	✗	3.6s	FAIL	edit_completed_steps_20251021_223724.png

Role: Lab Admin (BTO) + Reagent Manufacturing (BTO)

Tests: 2 | Passed: 0 | Failed: 2 | Errors: 0

Total Execution Time: 33.1s | Average: 16.6s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Create Control	✓	✗	17.6s	FAIL	create_control_fail_20251021_223744.png
Delete Control	✓	✗	15.5s	FAIL	delete_control_fail_20251021_223803.png

Errors:

- Create Control: Consumables tab not found — permission denied or hidden.
- Delete Control: Consumables tab not found — permission denied or hidden.

Role: Lab Admin (BTO) + ReviewEscalations

Tests: 1 | Passed: 0 | Failed: 1 | Errors: 0

Total Execution Time: 61.9s | Average: 61.9s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Review Escalated Samples	✓	✗	61.9s	FAIL	review_escalated_samples_fail_20251021_223836.png

Errors:

• Review Escalated Samples: Locator.click: Timeout 30000ms exceeded. Call log: - waiting for get_by_role("link", name=re.compile(r"PROJECTS & Samples", re.IGNORECASE))

Role: Lab Admin (BTO) + Sample Creation (BTO)

Tests: 0 | Passed: 0 | Failed: 0 | Errors: 0

Total Execution Time: 0.0s | Average: 0.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
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Role: Lab Operator (BTO) (BASE)

Tests: 1 | Passed: 1 | Failed: 0 | Errors: 0

Total Execution Time: 12.5s | Average: 12.5s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✓	✓	12.5s	PASS	clarity_login_20251021_222556.png

Role: Lab Operator (BTO) + Editor

Tests: 2 | Passed: 2 | Failed: 0 | Errors: 0

Total Execution Time: 15.2s | Average: 7.6s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✓	✓	11.7s	PASS	clarity_login_20251021_222623.png
Edit Completed Steps	✓	✓	3.5s	PASS	edit_completed_steps_20251021_222633.png

Role: Lab Operator (BTO) + Reagent Manufacturing (BTO)

Tests: 3 | Passed: 3 | Failed: 0 | Errors: 0

Total Execution Time: 54.8s | Average: 18.3s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✓	✓	13.4s	PASS	clarity_login_20251021_222648.png
Create Control	✓	✓	23.0s	PASS	create_control_pass_20251021_222713.png
Delete Control	✓	✓	18.4s	PASS	delete_control_pass_20251021_222741.png

Role: Lab Operator (BTO) + ReviewEscalations

Tests: 2 | Passed: 2 | Failed: 0 | Errors: 0

Total Execution Time: 131.2s | Average: 65.6s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✓	✓	12.7s	PASS	clarity_login_20251021_222758.png
Review Escalated Samples	✓	✓	118.5s	PASS	review_escalated_samples_pass_20251021_222933.png

Role: Lab Operator (BTO) + Sample Creation (BTO)

Tests: 1 | Passed: 1 | Failed: 0 | Errors: 0

Total Execution Time: 11.5s | Average: 11.5s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Clarity Login	✓	✓	11.5s	PASS	clarity_login_20251021_222609.png

Role: Limited (BTO) (BASE)

Tests: 0 | Passed: 0 | Failed: 0 | Errors: 0

Total Execution Time: 0.0s | Average: 0.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
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Role: Limited (BTO) + Editor

Tests: 1 | Passed: 0 | Failed: 1 | Errors: 0

Total Execution Time: 4.8s | Average: 4.8s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Edit Completed Steps	✓	✗	4.8s	FAIL	edit_completed_steps_20251021_223923.png

Role: Limited (BTO) + Reagent Manufacturing (BTO)

Tests: 2 | Passed: 0 | Failed: 2 | Errors: 0

Total Execution Time: 33.9s | Average: 16.9s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Create Control	✓	✗	18.2s	FAIL	create_control_fail_20251021_223943.png
Delete Control	✓	✗	15.7s	FAIL	delete_control_fail_20251021_224002.png

Errors:

- Create Control: Consumables tab not found — permission denied or hidden.
- Delete Control: Consumables tab not found — permission denied or hidden.

Role: Limited (BTO) + ReviewEscalations

Tests: 1 | Passed: 0 | Failed: 1 | Errors: 0

Total Execution Time: 62.0s | Average: 62.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Review Escalated Samples	✓	✗	62.0s	FAIL	review_escalated_samples_fail_20251021_224036.png

Errors:

• Review Escalated Samples: Locator.click: Timeout 30000ms exceeded. Call log: - waiting for get_by_role("link", name=re.compile(r"PROJECTS & Samples", re.IGNORECASE))

Role: Limited (BTO) + Sample Creation (BTO)

Tests: 0 | Passed: 0 | Failed: 0 | Errors: 0

Total Execution Time: 0.0s | Average: 0.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
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Role: Not Logged In

Tests: 0 | Passed: 0 | Failed: 0 | Errors: 0

Total Execution Time: 0.0s | Average: 0.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
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Role: System Admin (BTO) (BASE)

Tests: 0 | Passed: 0 | Failed: 0 | Errors: 0

Total Execution Time: 0.0s | Average: 0.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
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Role: System Admin (BTO) + Editor

Tests: 1 | Passed: 0 | Failed: 1 | Errors: 0

Total Execution Time: 3.8s | Average: 3.8s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Edit Completed Steps	✓	✗	3.8s	FAIL	edit_completed_steps_20251021_223510.png

Role: System Admin (BTO) + Reagent Manufacturing (BTO)

Tests: 2 | Passed: 0 | Failed: 2 | Errors: 0

Total Execution Time: 34.0s | Average: 17.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Create Control	✓	✗	18.5s	FAIL	create_control_fail_20251021_223531.png
Delete Control	✓	✗	15.5s	FAIL	delete_control_fail_20251021_223549.png

Errors:

- Create Control: Consumables tab not found — permission denied or hidden.
- Delete Control: Consumables tab not found — permission denied or hidden.

Role: System Admin (BTO) + ReviewEscalations

Tests: 1 | Passed: 0 | Failed: 1 | Errors: 0

Total Execution Time: 62.9s | Average: 62.9s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
Review Escalated Samples	✓	✗	62.9s	FAIL	review_escalated_samples_fail_20251021_223623.png

Errors:

• Review Escalated Samples: Locator.click: Timeout 30000ms exceeded. Call log: - waiting for get_by_role("link", name=re.compile(r"PROJECTS & Samples", re.IGNORECASE))

Role: System Admin (BTO) + Sample Creation (BTO)

Tests: 0 | Passed: 0 | Failed: 0 | Errors: 0

Total Execution Time: 0.0s | Average: 0.0s per test

Test Name	Expected	Result	Time (s)	Status	Screenshot
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