

Use Case ID	Use Case Name	Objective	Test Steps	Expected Results	PASS / FAIL
UC-1	Admin creates technician accounts	Ensure the admin can create technician accounts.	Login as Admin; Navigate to creation page; Enter details; Submit; Verify email. Check status in system.	Technician account created and active; Email received.	PASS
UC-2	Admin views technician accounts	Confirm that admins can view all technician accounts.	Login as Admin; Navigate to management interface; Verify listing of accounts.	All technician accounts displayed with correct information.	PASS
UC-3	Admin deactivates technician accounts	Test the deactivation of technician accounts.	Login as Admin; Select account; Deactivate; Verify status change.	Technician account status updated to 'inactive'.	PASS
UC-4	Admin updates technician accounts	Ensure that admins can update technician account details.	Login as Admin; Select account; Update details; Submit; Verify changes.	Technician account details updated as specified.	PASS
UC-5	Admin resets technician passwords	Verify admin's ability to reset passwords for technician accounts.	Login as Admin; Select technician; Reset password; Verify email to technician.	Technician receives reset password email; Password successfully reset.	PASS
UC-6	Technician updates account	Allow technicians to update their account details.	Login as Technician; Navigate to settings; Update details; Submit; Verify updates.	Technician account details updated and accurate.	PASS
UC-7	Technician views account	Ensure technicians can view their own account details.	Login as Technician; Navigate to settings; View details; Verify accuracy.	Technician account details accurately displayed.	PASS
UC-8	Technician updates account password	Verify technicians can update their account passwords.	Login as Technician; Initiate password update; Verify; Submit new password; Confirm update.	Technician password updated; Email notification received.	PASS
UC-9	Technician generates reports	Ensure technicians can generate necessary reports.	Login as Technician; Navigate to report module; Select product and sequence; Set parameters; Generate; Verify storage and notification.	Report generated and saved; Email notification received.	PASS
UC-10	Technician views a report	Verify that technicians can view details of specific reports.	Login as Technician; Navigate to report list; Select report; View details; Verify accuracy.	Report details accurately displayed.	PASS
UC-11	Technician finds reports	Ensure that technicians can find reports with various criteria.	Login as Technician; Filter and sort reports; Verify list matches criteria.	Report list accurately reflects search and sort criteria.	PASS
UC-12	Technician adds new oligo	Allow technicians to add new oligos to the system.	Login as Technician; Navigate to oligo module; Add new oligo; Submit; Verify addition.	New oligo added and available in the database.	PASS
UC-13	Technician archives an oligo	Enable technicians to archive oligos that are no longer active.	Login as Technician; Select oligo; Archive; Verify status change.	Oligo status updated to archived.	PASS
UC-14	Technician views an oligo	Allow technicians to view details of oligos.	Login as Technician; Navigate to oligo list; Select oligo; View details; Verify accuracy.	Oligo details accurately displayed.	PASS
UC-15	Technician adds new product to be tested against sequences	Enable technicians to add new products for testing against genetic sequences.	Login as Technician; Navigate to product page; Add new product; Submit details; Verify addition.	New product added and available for use.	PASS
UC-16	Technician edits products to be tested against sequences	Allow technicians to edit details of existing products.	Login as Technician; Select product; Edit details; Submit; Verify updates.	Product details updated as specified.	PASS
UC-17	Technician views a product	Allow technicians to view product details and associated sequences.	Login as Technician; Navigate to product list; Select product; View details; Verify accuracy.	Product details accurately displayed.	PASS
UC-18	Technician modifies interval of database queries/report generation	Enable technicians to adjust the frequency of report generation based on operational needs.	Login as Technician; Set interval for report; Submit; Verify new schedule.	Report generation interval updated as specified.	PASS
UC-19	Technician creates a new target sequence	Allow technicians to add new target sequences to the database.	Login as Technician; Add target sequence; Submit details; Verify creation.	New target sequence added to the database.	PASS
UC-20	Technician views a target sequence	Enable technicians to view details of target sequences.	Login as Technician; Select target sequence; View details; Verify accuracy.	Target sequence details accurately displayed.	PASS
UC-21	View and manage scheduled reports	Allow technicians to manage and configure schedules for automatic report generation.	Login as Technician; Manage report schedules; Modify settings; Submit; Verify changes.	Scheduled reports configured and changes applied as expected.	PASS