

GeneSifter® Lab Edition Product Update v 3.18

New Protocol Builder

- Protocol Builder feature makes it easier to create and use template types and workflows
- Visually track templates as they go through your protocols
- Improved overview of separate workflow steps

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Lab Data System

Template Details

Provide Workflow Information Next Workflow Edit Template Upload Attachment Set to Archived Delete

Internal QC	Library Prep	Validate Library
1. Not Ready	1. Not Ready	1. Not Ready
2. Qubit	2. End Repair dA-Tail	2. QC
3. Bioanalyzer	3. Enrich DNA by PCR	3. Review
4. Ready	4. Ready	4. Ready

Name	Pool	Template Workset	n/a
Template ID	27	Parent	Pool_2, Pool_1
Template Type	Internal QC	Volume (µL)	n/a
Barcode	n/a	Concentration (ng/µL)	n/a
Archived	No	Storage Location	n/a
Order Name	n/a	MID	n/a
Description	n/a		

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Lab Data System

Template Protocol Builder

*Label ChIP Seq Sample

Description Sample prep for ChIP-Seq on Illumina Genome Analyzer.

Is Active

Available Workflows Show all workflows Apply

Create New Workflow: Create

PQR (2) Genomic (2) Default (2) Validate Library (4) Internal QC (4) Library Prep (4)

Template Protocol Clear Protocol

Internal QC → Library Prep → Validate Library

Steps

Internal QC	Library Prep	Validate Library
<input type="checkbox"/> Not Ready	<input type="checkbox"/> Not Ready	<input type="checkbox"/> Not Ready
<input type="checkbox"/> Qubit	<input type="checkbox"/> End Repair dA-Tail	<input type="checkbox"/> QC
<input type="checkbox"/> Bioanalyzer	<input type="checkbox"/> Enrich DNA by PCR	<input type="checkbox"/> Review
<input type="checkbox"/> Ready	<input type="checkbox"/> Ready	<input type="checkbox"/> Ready

Improved Ordering

- Organize the Order Forms to the way you work
- Simplify repeat procedures by creating a table of contents for your Order Forms
- Multiple instruments or multiple labs can easily find their Order Forms
- Upload pre-made Order Forms or build forms to your own specifications
- Automatically email invoices to purchase contacts

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Home

Orders Place Order

- Place Order
- View Orders
- View Invoices

Data

- View Data
- View Folders
- View Projects
- View Queries

Sanger Sequencing

Standard Sequencing

Users: Submit templates and primers in individual microcentrifuge tubes following the requirements found in the FAQ Sheet.

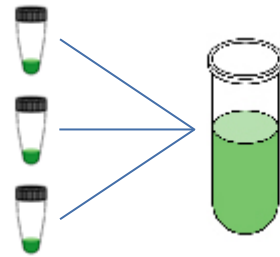
NAC: Sets up the sequencing reactions, performs cycle sequencing with Big Dye v3.0 chemistry, followed by DTR clean up of the products, and then performs genetic analysis on ABI 3130XL. The Core may also analyze data using Sequencer software, which may include: sequence editing, assembly of consensus sequences, and primer walking.

- Standard Seq
- Custom Seq

Next Generation Sequencing

Next Generation Project Request Form

Fill out this form for a detailed discussion with Genetics Facility scientists about your NextGen sequencing project. Project Consultation is a FREE service. Please click one of the following links for more information about the platforms that we support: [454](#), [ABI-SOLID](#), [Illumina GAIIx](#).



Track Pooled Samples

- Now you can track in real time, the progress of numerous pooled samples
- Critical multiplex tracking mimics real-world sample pooling
- Simplify tracking of large numbers of pooled samples