

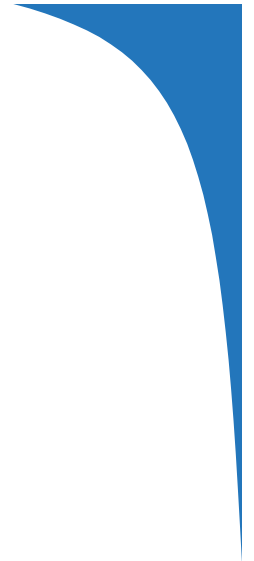
iLab Solutions Sample Processing

Managing and Organizing Samples Across Requests

January 15, 2015

iLab Solutions

Save money. Save time. Accelerate research.





Sample Processing Feature Overview

- iLab has developed an Sample Processor (SP) feature to be used in cooperation with the iLab Core Facility Management software
- SP will allow some cores (e.g., Sanger Sequencing, Oligo synthesis, Proteomics, etc.) to use iLab for their workflow management
- Both the core and researcher will realize an increase in efficiency with the use of this feature
 - Uninterrupted workflow from request submission to sample processing to billing and reporting
 - Easily identify samples from multiple submissions and combine into one workflow
 - Flexible container types, request forms, and equipment input files
 - Universal design to support variety of workflow needs



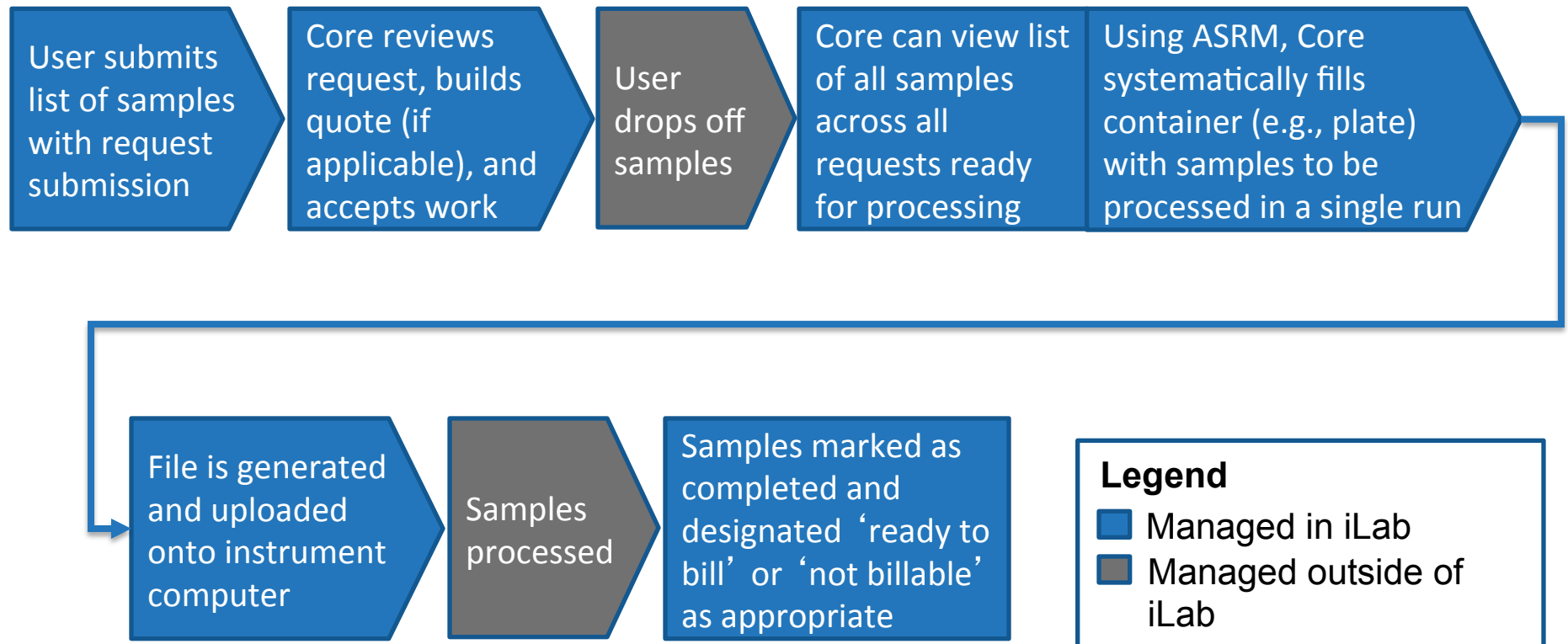
Is SP Right for Me?

- Do I provide a service that requires the user to submit samples for processing?
- Are the samples run on an instrument that requires each sample to be identifiable?
- Do I often receive multiple samples per request?
- Do I run samples from multiple requests in a single run?

*If the answers are **Yes** to all of these questions, SP will meet your needs!*



Sample submission and sample processing workflow in iLab





SP Screenshot: assigning samples to a container (e.g., plate)

Open Sample Submissions SELECT ALL 0

5

Sample Id	PI	Sample	Primer	Size (bps)	Purified?	Conc	Comments	Well number	Plate name
2509	Smith	p53-1	M13-21			200.0			
2510	Smith	p53-2	M13-21			200.0			
2511	Smith	p53-3	M13-21			200.0			
2512	Smith	p53-4	M13-21			200.0			
2513	Smith	p53-5	M13-21			200.0			

Total processed: 0

5

Sample Id	PI	Sample	Primer	Size (bps)	Purified?	Conc	Comments	Well number	Plate name
2514	Brown	1	T7			200.0			
2515	Brown	2	T7			200.0			
2516	Brown	3	T7			200.0			
2517	Brown	4	T7			200.0			
2518	Brown	5	T7			200.0			

Total processed:

96 well plate BACK TO PROCESSORS LIST

Plate 0000117 Aug 07 2014 0/96

	01	02	03	04	05	06	07	08	09	10	11	12
A	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12
B	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10	B11	B12
C	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12
D	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11	D12
E	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	E11	E12
F	F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12
G	G01	G02	G03	G04	G05	G06	G07	G08	G09	G10	G11	G12
H	H01	H02	H03	H04	H05	H06	H07	H08	H09	H10	H11	H12

ASSIGNED TO

Process samples PROCESS

auto-insert horizontally
auto-insert vertically
clear from plate(s)
auto-insert horizontally

Samples from multiple requests can be assigned to one plate by clicking 'select all' and then using the auto-insert feature



SP Screenshot: managing sample location and managing all containers (e.g., plates)

Once samples are added to a plate, sample location can be viewed and other samples can be added to the same plate

96 well plate

← BACK TO PROCESSORS LIST

Plate0000155 Aug 25 2014 4/96

	01	02	03	04	05	06	07	08	09	10	11	12
A	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12
B	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10	B11	B12
C	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12
D	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11	D12
E	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	E11	E12
F	F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12
G	G01	G02	G03	G04	G05	G06	G07	G08	G09	G10	G11	G12
H	H01	H02	H03	H04	H05	H06	H07	H08	H09	H10	H11	H12

Clear Plate
Delete Sample
Insert Test Sample
Empty Control
Water
Blank

Additionally, all plates created can be viewed in a list and searchable using keywords and filters for streamlined process management.

96 well plate search

Keywords

Sample Owner

Sample Lab

Created At

Status

Completion

Assigned To

Apply Filters

Plate	Created On	Number Of Samples	Assigned To	Start	End	Status
Plate0000149	August 22, 2014	2/96	Michelle Detwiler			START PROCESSING FINISH PROCESSING
Plate0000138	August 21, 2014	96/96				START PROCESSING FINISH PROCESSING
Plate0000139	August 21, 2014	1/96				START PROCESSING FINISH PROCESSING
Plate0000145	August 21, 2014	8/96			August 22, 2014	START PROCESSING FINISH PROCESSING
Plate0000135	August 20, 2014	17/96				Charges Confirmed
Plate0000131	August 19, 2014	4/96				START FINISH