

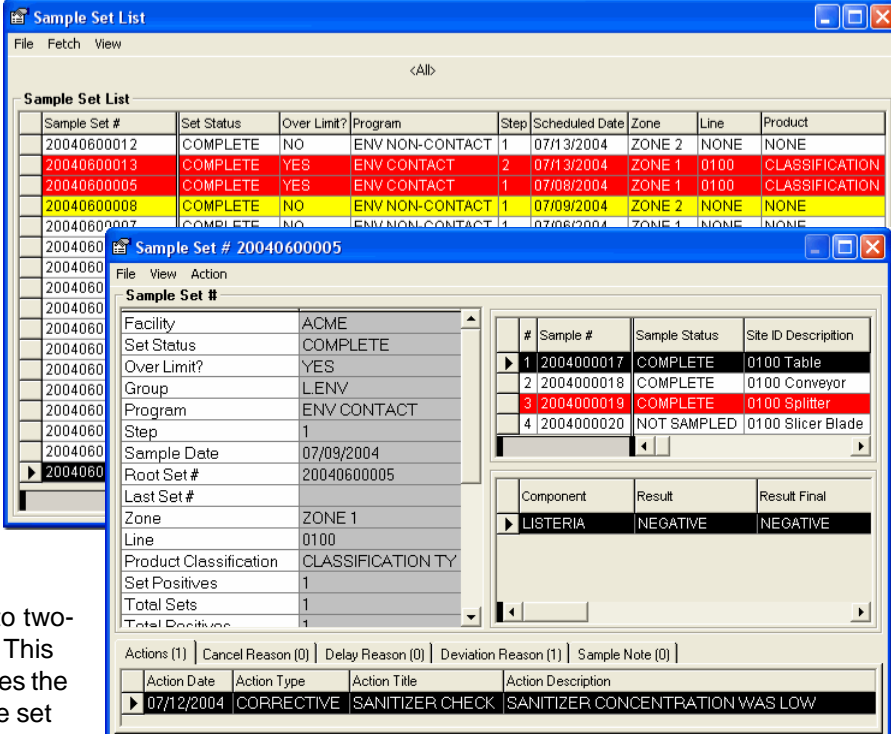
The LabSoft LIMS Micro module provides an encompassing solution for your microbiology (e.g. Listeria) testing requirements that will increase your sampling efficiency and accuracy and reduce your regulatory risk. This module includes configurable options that support A-Z functionality like true randomized sample site selection, scheduling, sample information entry, seamless communication to an external lab, automatic E-mail notification and complete customized reporting. LabSoft LIMS Micro was designed to aid food processors with compliance of regulatory programs such as 9 CFR Part 430 and FSIS Directive 10240.4.

Load Balanced Sample Set Selection – Generate random sample set test schedules. The selection process uses a pre-determined time window to evenly balance testing of the sample set areas/zones. The sample sites within a sample set are randomly selected.

Non-Routine Test Scheduler – Schedule intensified sample testing when triggered from test results.

Action Items – Consistently monitor and record performed sample set action(s).

External Lab Interface – Ability to two-way interface with an external lab. This bi-directional data transfer increases the timeliness and accuracy of sample set test result data.



Sample Set List

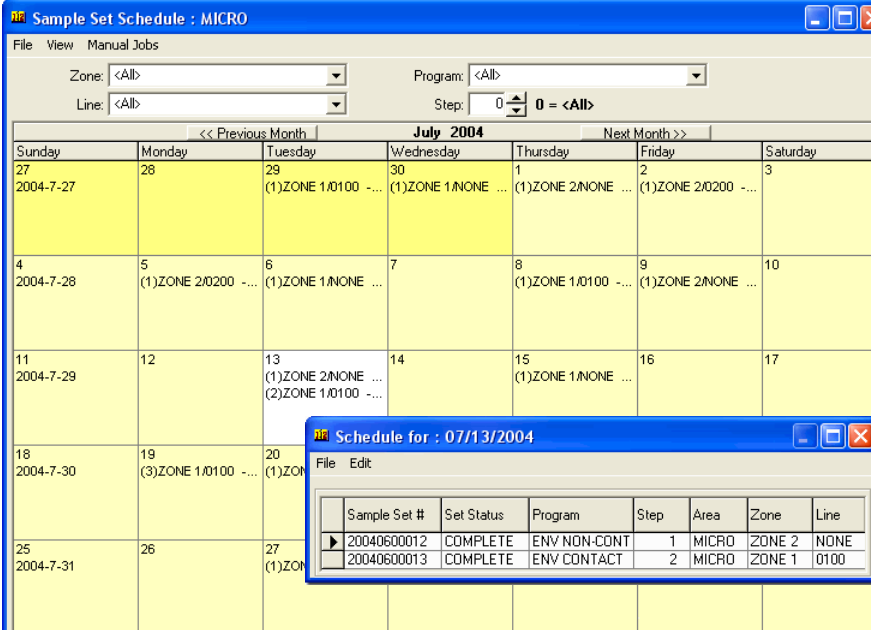
Sample Set #	Set Status	Over Limit?	Program	Step	Scheduled Date	Zone	Line	Product
20040600012	COMPLETE	NO	ENV NON-CONTACT	1	07/13/2004	ZONE 2	NONE	NONE
20040600013	COMPLETE	YES	ENV CONTACT	2	07/13/2004	ZONE 1	0100	CLASSIFICATION
20040600005	COMPLETE	YES	ENV CONTACT	1	07/08/2004	ZONE 1	0100	CLASSIFICATION
20040600008	COMPLETE	NO	ENV NON-CONTACT	1	07/09/2004	ZONE 2	NONE	NONE
20040600007	COMPLETE	NO	ENV NON-CONTACT	1	07/08/2004	ZONE 1	NONE	NONE

Sample Set # 2004060005

#	Sample #	Sample Status	Site ID	Description
1	2004000017	COMPLETE	0100	Table
2	2004000018	COMPLETE	0100	Conveyor
3	2004000019	COMPLETE	0100	Splitter
4	2004000020	NOT SAMPLED	0100	Slicer Blade

Component	Result	Result Final
▶ LISTERIA	NEGATIVE	NEGATIVE

Action Date	Action Type	Action Title	Action Description
▶ 07/12/2004	CORRECTIVE	SANITIZER CHECK	SANITIZER CONCENTRATION WAS LOW



Sample Set Schedule : MICRO

Zone: <All> Program: <All>
Line: <All> Step: 0 0 = <All>

<< Previous Month July 2004 Next Month >>

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27 2004-7-27	28	29 (1)ZONE 1/0100 ...	30 (1)ZONE 1/NONE ...	1 (1)ZONE 2/NONE ...	2 (1)ZONE 2/0200 ...	3
4 2004-7-28	5 (1)ZONE 2/0200 ...	6 (1)ZONE 1/NONE ...	7	8 (1)ZONE 1/0100 ...	9 (1)ZONE 2/NONE ...	10
11 2004-7-29	12	13 (1)ZONE 2/NONE ... (2)ZONE 1/0100 ...	14	15 (1)ZONE 1/NONE ...	16	17
18 2004-7-30	19 (3)ZONE 1/0100 ...	20 (1)ZON				
25 2004-7-31	26	27 (1)ZON				

Schedule for: 07/13/2004

Sample Set #	Set Status	Program	Step	Area	Zone	Line
▶ 20040600012	COMPLETE	ENV NON-CONT	1	MICRO	ZONE 2	NONE
▶ 20040600013	COMPLETE	ENV CONTACT	2	MICRO	ZONE 1	0100

Scheduling Calendar – View, filter, and manually adjust the sample sets testing schedule.

Auto E-mail – Generate E-mail notices to a specified distribution list when certain events occur. E-mail messages can link to and run LabSoft LIMS. Possible E-mail event triggers:

- Positive (Out of Spec) test result is received
- Escalation to the next level of testing begins
- Test results are received from the external lab
- Routine testing has resumed

Micro


Report Generation –

Examples include:

- Sample Selection Sheet
- Bar Codes
- Labeling
- External Lab Requests
- Crystal Reports
- LabSoft LIMS' Query

Configurability –


Configuration allows LabSoft LIMS Micro to adapt to your developing needs. Examples include: adding your own fields and codes, E-mail messages, generated reports, and sample program setup. With sample program setup users have the ability to create and edit sample programs (e coli, salmonella, etc.) including the schedule sequence for intensified testing.



Microbiology Environment Sampling

Zone	ZONE 1	Scheduled Date	07/20/2004
Line	NONE	Sample Day	Tuesday
Sampled By	BOB	Program Name	Non-Contact Environment
		Sampled Date	07/21/2004

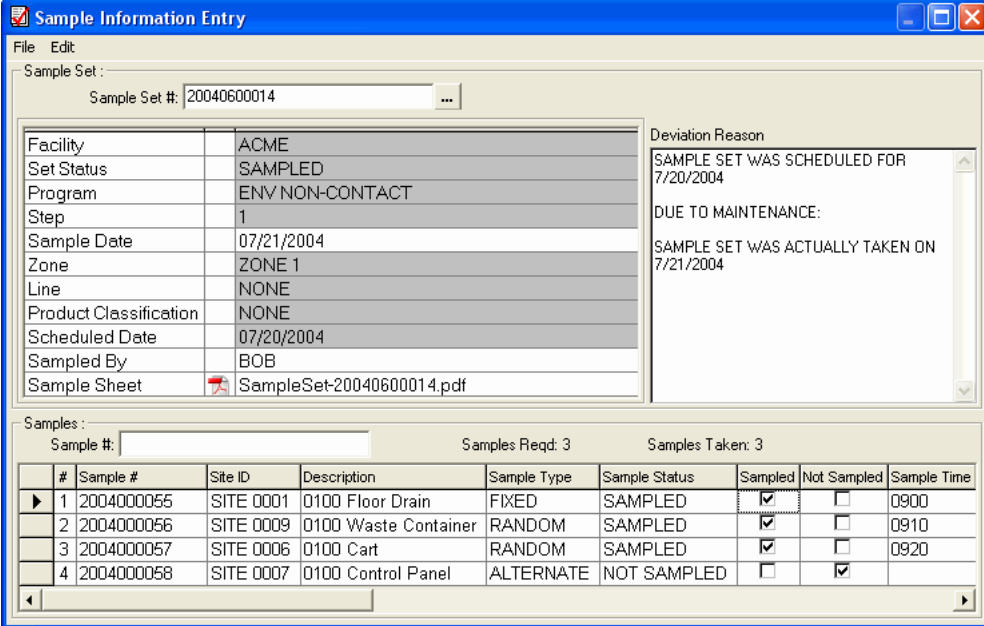
Sample Set: 20040600014



Bag	Type	Sample Number	Sample Site/Exact Location	Sample Time	SKU
1	F	2004000055 Site Zone: ZONE 1 Site Line: 0100 Elevation: 0-3	0100 Floor Drain	0900	NONE
2	R	2004000056 Site Zone: ZONE 1 Site Line: 0100 Elevation: 0-3	0100 Waste Container	0910	NONE
3	R	2004000057 Site Zone: ZONE 1 Site Line: 0100 Elevation: 3-9	0100 Cart	0920	NONE
4	A	2004000058 Site Zone: ZONE 1 Site Line: 0100 Elevation: 3-9	0100 Control Panel		

Type: P=Positive; F=Fixed; R=Random; A=Alternate

1) Fixed/Positive Site must be Sampled	4) SWAB sites after 3 hours of production
2) Random sites should be sampled if possible	5) SWAB a 2 foot by 2 food area
3) Sample Alternate site as substitute for Random site only if necessary	6) Label sample bag with corresponding bag number



The screenshot shows the 'Sample Information Entry' window. It includes a menu bar (File, Edit), a 'Sample Set #' field with the value '20040600014', and a table of sample information. A 'Deviation Reason' text area contains the text: 'SAMPLE SET WAS SCHEDULED FOR 7/20/2004 DUE TO MAINTENANCE: SAMPLE SET WAS ACTUALLY TAKEN ON 7/21/2004'. Below this is a 'Samples' section with a table showing the status of each sample.

#	Sample #	Site ID	Description	Sample Type	Sample Status	Sampled	Not Sampled	Sample Time
1	2004000055	SITE 0001	0100 Floor Drain	FIXED	SAMPLED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0900
2	2004000056	SITE 0009	0100 Waste Container	RANDOM	SAMPLED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0910
3	2004000057	SITE 0006	0100 Cart	RANDOM	SAMPLED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0920
4	2004000058	SITE 0007	0100 Control Panel	ALTERNATE	NOT SAMPLED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Document Encapsulation –

Ability to scan, store, and view related documents. Supports any file format including Word[®], Excel[®], Acrobat[®] PDF, etc.

Process Verification –

LabSoft LIMS Micro validates the sample set selection process to ensure proper documentation by the user.