

LABLITE PC (Process Control) – LIMS

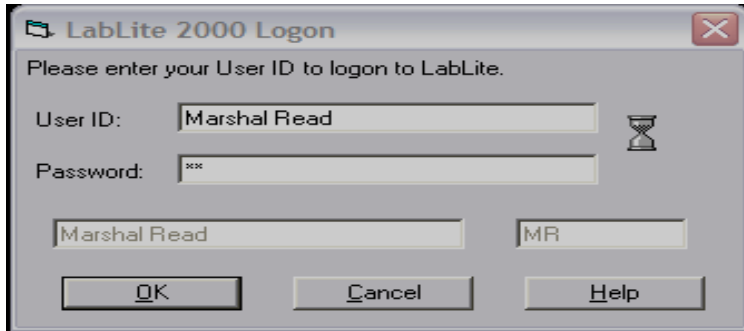
LABLITE PC is specifically designed LIMS software that manages complex workflow and data requirements for any kind of repetitive process or testing. After years of independent research and often hearing only negative reviews of other LIMS products, LabLite was incorporated in 1996. It included lab managers, professional programmers, and support staff with the goal of creating and bringing to market the best Plant or Process solutions at the most affordable price.

Design Criteria requires an intuitive user-friendly interface for the powerful features being offered. The source code is written in MS Visual Basic and is open, annotated and modular. All versions are rigorously tested in-house and by Alpha and Beta working labs prior to release. The programs include comprehensive written and visual documentation.

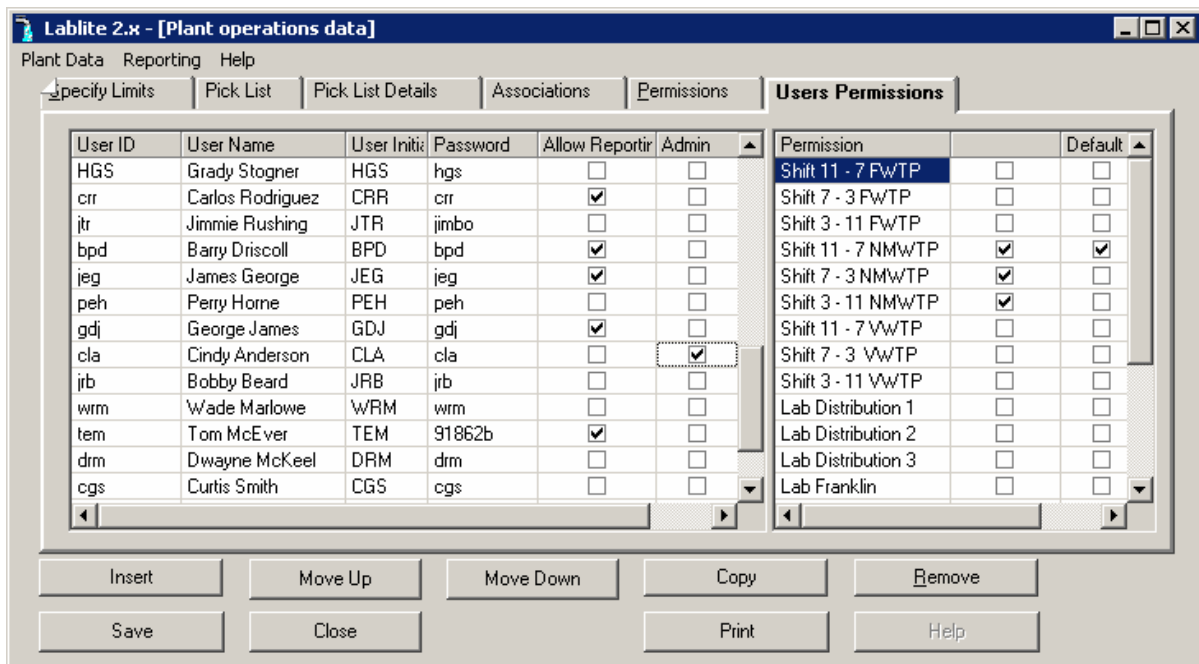
LabLite LIMS products are used in many labs across the country. It is *more powerful and much easier to use than comparable entries and clearly the greatest LIMS value for a surprisingly low cost.* LabLite PC is the new standard in laboratory informatics for network or stand-alone systems.

LabLite Process Control - Security

The LabLite Process Control Module is optimized for rapid data entry. The complex requirements of all your data tracking have been condensed into a simple, secure interface. Your operators simply log-on to the system already configured for your specific operation.



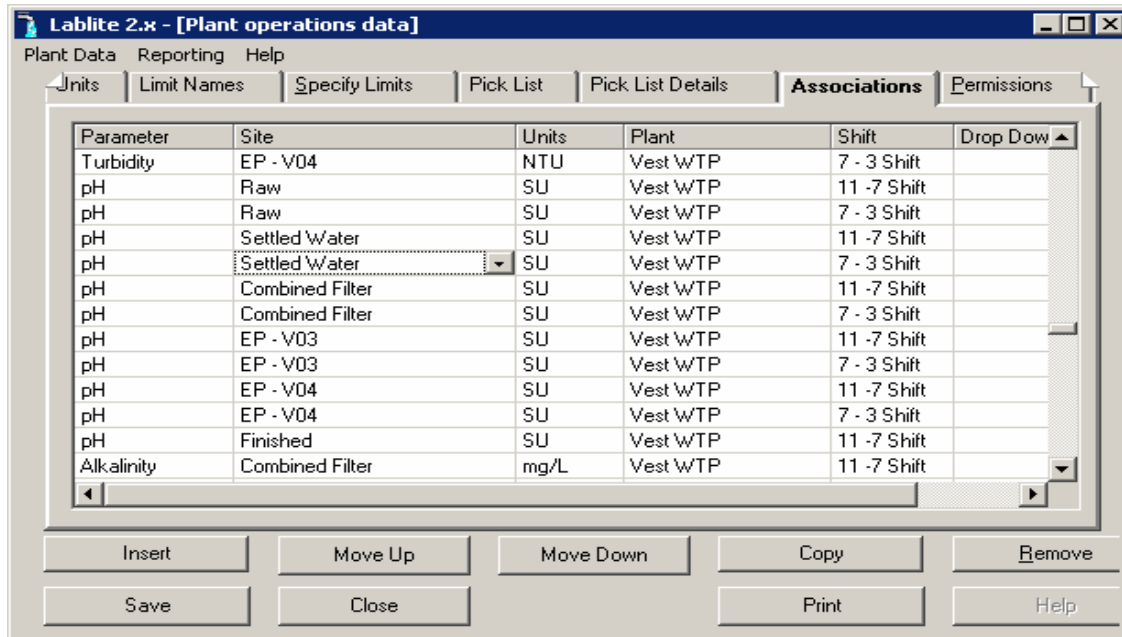
Based on user rights operators can see only what they need to see in order to do their tasks. All specific configuration information is protected for administrators only to modify.



LabLite has designed the security system to protect the database and be simple to update.

LabLite Process Control – Set-up & Flagging

Simple relationships between your sites and analytes are joined to location and frequency. This allows you to load many different test scenarios for any hour on any day while at the same time only showing your analysts what they need to see.



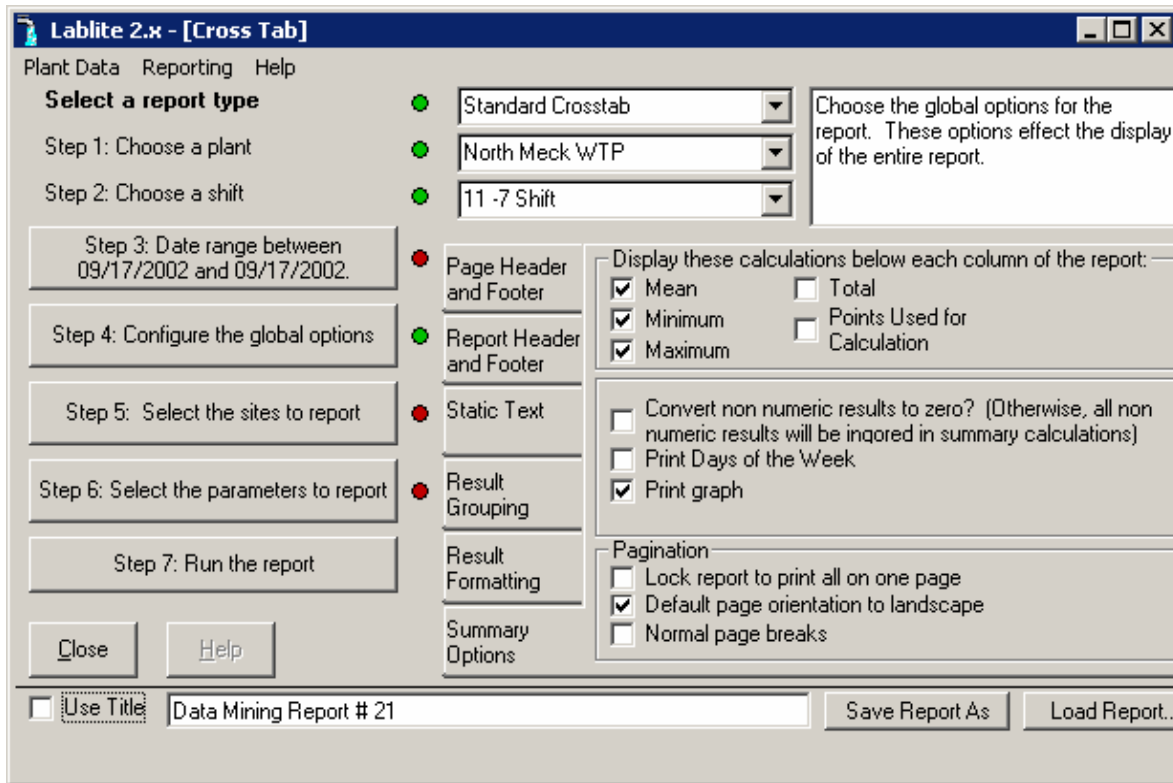
Limit checking and automated flagging are user-defined settings. When you enter a result, it is immediately compared to limits that you can name and color code for fast recognition.



LabLite PC also includes a unique “Global Alert” feature for sharing your critical out-of-spec results with co-workers. Corrective measures can be taken immediately when bad data happens.

LabLite Process Control – Data Mining

Managers like to have the flexibility to view data in many ways. The included Cross Tab reporting tool guides you through many sorting and filtering options to create reports and graphs.



Cross Tab sends your choices to MS Excel for display. Once you have formatted a report you like, you are able to save the selected criteria and name the report so you can recall it later. It is also possible to further analyze, enhance and save these reports as Excel file.

One example of Cross Tab output is on the following page. With just a few simple steps using this tool, and even people that do not like computers, are able to create professional final reports.

LabLite PC – Cross Tab Report Example

This report required a few mouse clicks and less than one minute to create.

	A	B	C	D	E	F	G	H	I
1									
2		Data Mining Report # 23					Dec-01		
3									
4		EP - F01				Raw			
5		Alkalinity	Color App.	Turbidity	pH	Alkalinity	Color App.	Turbidity	pH
6		Result	Result	Result	Result	Result	Result	Result	Result
7	12/01/2001	34	2	0.104	8.3	21	20	1.85	7.34
8	12/02/2001	35	1	0.146	8.27	20	17	1.76	7.24
9	12/03/2001	33	1	0.172	8.69	21	18	2.03	7.13
10	12/04/2001	36	1	0.137	8.56	21	18	1.99	7.15
11	12/05/2001	42	2	0.148	8.55	21	19	2.02	7.06
12	12/06/2001	46	0	0.161	8.81	20	19	1.95	7.2
13	12/07/2001	24	0	0.159	8.72	21	20	2.17	7.05
14	12/08/2001	27	1	0.202	9.19	21	16	1.99	7.24
15	12/09/2001	24	0	0.115	8.22	20	17	1.85	7.24
16	12/10/2001	24	1	0.107	8	20	17	1.83	7.27
17	12/11/2001	22	1	0.136	8.53	20	18	2.02	7.18
18	12/12/2001	23	1	0.137	8.62	21	20	2.21	7.16
19	12/13/2001	22	1	0.128	8.33	21	27	2.28	7.13
20	12/14/2001	25	1	0.159	8.79	20	18	2.18	7.27
21	12/15/2001	21	1	0.112	8.21	20	18	1.93	7.19
22	12/16/2001	22	1	0.135	8.16	20	18	1.96	7.31
23	12/17/2001	24	0	0.131	8.38	21	19	1.96	7.22
24	12/18/2001	21	0	0.135	8.32	22	18	1.9	7.14
25	12/19/2001	24	1	0.176	8.78	19	16	1.8	7.14
26	12/20/2001	23	1	0.178	8.8	22	18	1.79	7.31
27	12/21/2001	24	1	0.181	9.05	20	20	2.17	7.35
28	12/22/2001	23	1	0.186	8.88	20	20	2.19	7.3
29	12/23/2001	24	1	0.133	8.42	20	19	2.03	7.27
30	12/24/2001	23	1	0.161	8.68	21	19	2.17	7.34
31	12/25/2001	25	1	0.145	8.48	20	18	1.78	7.33
32	12/26/2001	24	0	0.146	8.52	19	19	2.11	7.18
33	12/27/2001	22	1	0.168	8.45	22	20	2.38	7.12
34	12/28/2001	24	1	0.198	8.93	20	18	2.25	7.17
35	12/29/2001	23	1	0.19	8.51	20	23	2.41	7.19
36	12/30/2001	23	1	0.168	8.55	20	18	1.91	7.15
37	12/31/2001	24	1	0.161	8.81	20	19	2	7.27
38									
39	Mean	26.16	0.87	0.15	8.56	20.45	18.84	2.03	7.21
40	Minimum	21.	0.	0.104	8.	19.	16.	1.76	7.05
41	Maximum	46.	2.	0.202	9.19	22.	27.	2.41	7.35
42	Data Points	31	31	31	31	31	31	31	31

The user selected the summary options to show the Mean, Minimum, Maximum and Number of Points used in the calculations.

LabLite PC – Data Entry & Trend Graph Pop-up

The simplicity and order of data entry screens is critical for acceptance by plant operators. If they make a typo or enter over-limit results, the red flag alerts them to trouble.

Lablite 2.x - [Plant operations data]
Plant Data Reporting Help

Plant: North Meck WTP Shift: 11 -7 Shift

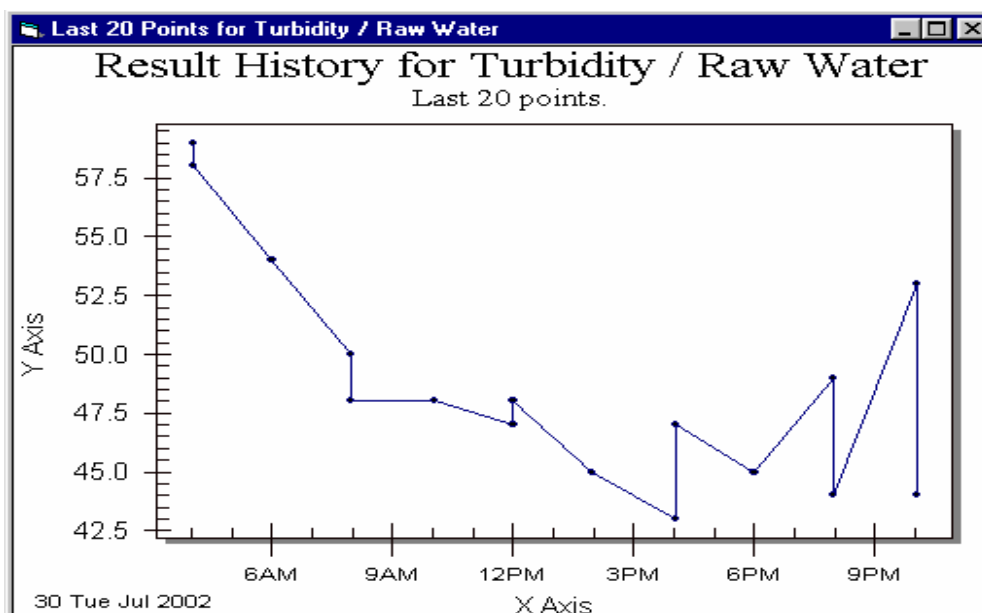
Currently editing data for 05/19/2002

Enter Data

Parameter	Site	Result	Units	Comment
Color True	EP - N05	21.00	CU	
pH	Raw	7.40	SU	
pH	Settled 1	7.66	SU	
pH	Settled 2	7.83	SU	
pH	Filter	7.55	SU	
pH	Finished	8.11	SU	
pH	EP - N05	7.98	SU	
Alkalinity	Raw	123.00	mg/L	
Alkalinity	Filter	97.00	mg/L	
Alkalinity	EP - N05	75.00	mg/L	
Hardness	Raw	89.00	mg/L	
Hardness	EP - N05		mg/L	

Buttons: Save, Close, Print, Help

Analysts or Operators can use their right mouse button to get an instant trend graph on the parameter/site data. The graph opens with one click and can be refined to use bars, points, colors, fonts, etc. of your own choosing. This can be saved in any format and e-mailed.



LabLite PC – Compliance Reports (NPDES, DMR, CLP)

The power of LabLite PC is realized when you need to generate complex compliance reports on a short timeframe. Any report can be matched, mapped and loaded into LabLite.

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)
NAME: SALTZBURGER W W T F
ADDRESS: BOX 574
SALTZBURGER CA 90788

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved.
 OMB No. 2040-0004

CA0102773 **001 A**
PERMIT NUMBER **DISCHARGE NUMBER**

MAJUH (SUBH E)
FINAL
TREATED SANITARY WASTE WATER

MONITORING PERIOD
YEAR NO DAY **YEAR NO DAY**
02 09 01 **02 09 30**

FACILITY: SALTZBURGER W W T F
LOCATION: SALTZBURGER CA 90788
ATTN: Dilbert E Neuman, Supervisor

--- NO DISCHARGE ---
Note: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING	QUALITY OR CONCENTRATION				NO. EX	FREQ. OF ANALYSIS	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM				AVERAGE	MAXIMUM
BOD, 5-DAY (20 DEG. C) 00310 G 0 0 RAW SEW / INFLUENT	Sample Measurement 887.4 Permit Requirement REPORT	*****	(26)	215.4	*****	(19)	0	2/7	24 H C	
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	Sample Measurement ***** Permit Requirement 54	*****	(26)	4	4.9	5.2	(19)	0	2/7	24 H C
pH	Sample Measurement ***** Permit Requirement *****	*****	*****	6.7	*****	7	(12)	0	1/1	GRAB
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW / INFLUENT	Sample Measurement 922.9 Permit Requirement REPORT	*****	(26)	224	*****	*****	(19)	0	2/7	24 H C
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	Sample Measurement 5.4 Permit Requirement 54	*****	(26)	1.3	1.5	1.6	(19)	0	2/7	24 H C
SOLIDS, SETTLEABLE 00545 1 0 0 EFFLUENT GROSS VALUE	Sample Measurement ***** Permit Requirement *****	*****	*****	0	0	0	(25)	0	1/1	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 RAW SEW / INFLUENT	Sample Measurement 116.6 Permit Requirement REPORT	*****	(26)	25.3	*****	*****	(19)	0	1/2	24 H C
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my review of the process or processes who accept the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.				TELEPHONE		DATE		
Clark Kent						(378) 265 4077		2 10 15		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE/ NUMBER		YEAR NO DAY		

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 REPORT MAXIMUM AND MINIMUM DAILY RATES AND TOTAL FLOW FOR EACH OPERATING DAY WITH DMR FORM. SEE DMR #01T FOR QUARTERLY MET.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. Page 1 of 2

In this example LabLite has populated the monthly Discharge Monitoring Report (DMR). What once took hours of staff time to sort through sample results and validate data entry, now only takes minutes.

LabLite PC – Summary & Calculated Reports

Any Report style you have developed in the past can be included on your reporting menu. Don't throw away your special daily summary reports or carefully crafted spreadsheets. You can keep them in service and put them to work within LabLite PC. It adapts to your needs !

**MUNICIPAL UTILITY DEPARTMENT
WATER TREATMENT FACILITY
PWSID# 01-22-99**

ENTRY POINT: F- 001

Finished Water Turbidity				Residual Chlorine		CT Values			
Day of Month	No. of Tests	Test Below 0.5 NTU	Exceeding 0.5 NTU	Minimum at POE	% of Tests Below Limit	CT Calculated	(pH-Temp) Constant	CT 99.9	Calculated /ct 00.0
1	6	3	3	1.03	0	250.29	65	14.1	17.8
2	6	2	4	1.26	0	306.18	65	14.1	21.7
3	6	3	3	1.19	0	289.17	65	14.1	20.5
4	6	3	3	1.19	0	289.17	65	14.1	20.5
5	6	3	3	1.15	0	279.45	65	14.1	19.8
6	6	1	5	1.05	0	255.15	65	14.1	18.1
7	6	3	3	1.05	0	255.15	65	14.1	18.1
8	6	3	3	1.03	0	250.29	65	14.1	17.8
9	6	3	3	1.05	0	255.15	65	14.1	18.1
10	6	4	2	1.03	0	250.29	65	14.1	17.8
11	6	3	3	0.98	0	238.14	63	13.7	17.4
12	6	3	3	1.01	0	245.43	65	14.1	17.4
13	6	3	3	0.98	0	238.14	63	13.7	17.4
14	6	3	3	0.96	0	233.28	63	13.7	17.1
15	6	2	4	0.96	0	233.28	63	13.7	17.1
16	6	3	3	1.05	0	255.15	65	14.1	18.1
17	6	3	3	1.13	0	274.59	65	14.1	19.5
18	6	3	3	1.16	0	281.88	65	14.1	20.0
19	6	1	5	1.12	0	272.16	65	14.1	19.3
20	6	3	3	0.77	0	187.11	63	13.7	13.7
21	6	3	3	0.93	0	225.99	63	13.7	16.6
22	6	3	3	1.16	0	281.88	65	14.1	20.0
23	6	4	2	1.16	0	281.88	65	14.1	20.0
24	6	3	3	1.08	0	262.44	65	14.1	18.6
25	6	3	3	1.15	0	279.45	65	14.1	19.8
26	6	3	3	1.03	0	250.29	65	14.1	17.8
27	6	3	3	1.12	0	272.16	65	14.1	19.3
28	6	4	2	1.08	0	262.44	65	14.1	18.6
Avg	6	2.9	3.1	1.07	0	259.1	65	14	18.5

LabLite PC Who it works for?

Who Are Some LabLite Clients ?

- Drinking Water Labs
- Wastewater Labs
- Beverage Testing Labs
- Automotive Industry
 - Product Testing
- Pharmaceutical Research
- Petroleum By-Products
- State, County & Municipal Labs
 - Wetlands Research
 - Universities
 - Food Testing Labs
 - **Your Lab Here**

We know that changing regulations and proactive data control requires a flexible program.

LabLite LIMS products are developed and tested by the highest standards. Certifying agency guidelines published under ISO, FDA, GALP, SDWIS, and NELAP are incorporated in the exclusive, annotated “Evolution” coding process.

LabLite is an approved **GSA** vendor since 2001.

LabLite PC Why it works

If you feel that your data is starting to make your lab look like the work area below
We are sure LabLite PC can help you!



We know exactly how it feels to be run ragged by data, you don't need to put up with the battle any more!

LabLite PC Where it works

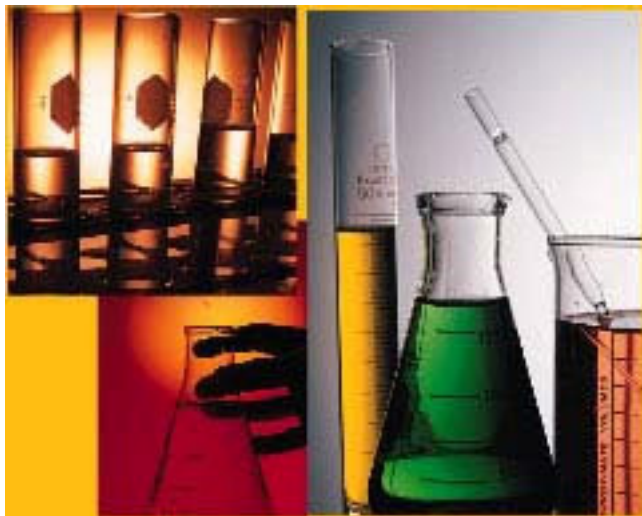
Installed across the country...



For a variety of applications.....



Getting results into reports.



LabLite LLC – Process Control Summary

LabLite PC is a full featured LIMS component, which handles your repetitive data entry, graphing, reporting, security, custom and translatable fields.

New users are installed and trained within 2 to 4 days (not weeks, months or years). Help is browser based and toll free support is available instantly with trained professionals.



“My life at work is much easier since we got LabLite PC . It’s really a pleasure. Thanks ! .”

LabLite PC SQL has all the powerful features of LabLite PC but utilizes SQL compatible databases. When you have high volume demand or a large network, this is the preferred version.

LabLite LLC Ph: 888-954-5483 E-mail: info@lablite.com