

☺ ATTENTION 7900 SDS USERS! ☺

If you set up real-time PCR in your lab and use the FGC 7900 SDS for your runs, please read the following notice:

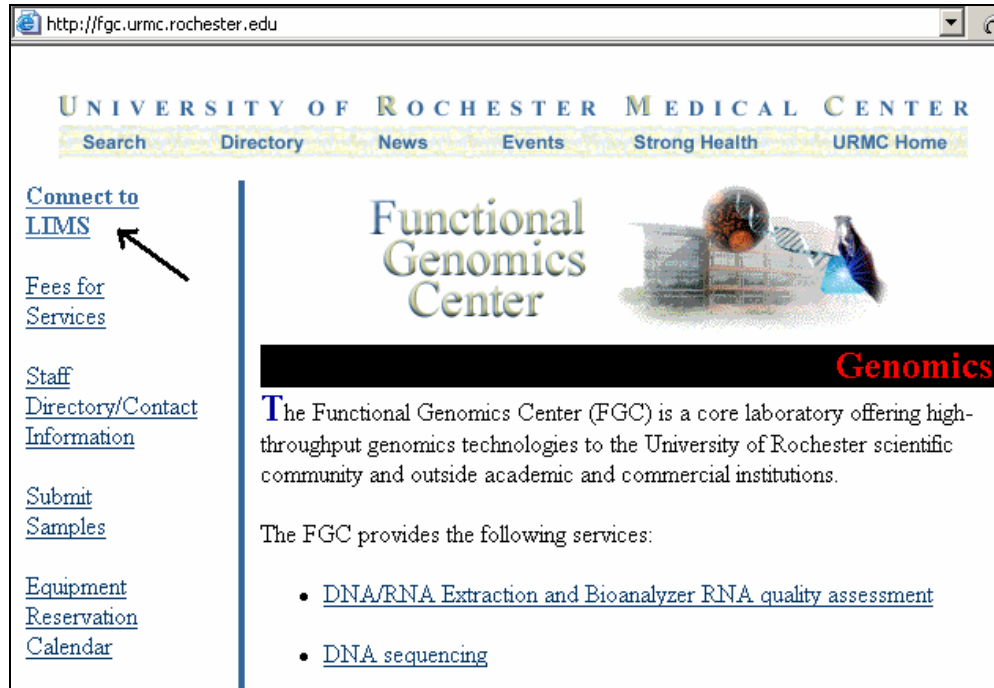
We are pleased to announce the implementation of Real Time PCR LIMS, the counterpart to DNA Sequencing LIMS!!! Using LIMS, you will create your SDS sample sheet in your lab, upload your request, and drop off your submission form and reaction plate for us to run. An automated email notification will inform you that the run is complete. Forget your disks – your data will now be internet accessible through your user account!

Please review the following tutorial for submitting your real-time PCR plates using LIMS. All sample plates must be registered using LIMS.

Creating your LIMS account:

(You DO NOT need to create an account if you already have one for DNA sequencing. Skip to scheduling a run time)

1. Visit our website (<http://fgc.urmc.rochester.edu>) and click “Connect to LIMS”



2. Create your account by filling in appropriate information. Once submitted, your account is active.




[Login to dnaLIMS](#)
[Create Login Account for dnaLIMS](#) 
[Forgot Your Login Information?](#)



New Account Setup for dnaLIMS

Login Information	Contact Information
Login Name * Password * Re-Type Password *	Name * Phone * Department * PI *
First Name * Last Name * Email Address *	
Clear Validate Form Submit	

Scheduling a Run Time:

- All 7900 runs MUST be scheduled on the FGC Equipment Reservation Calendar prior to submitting a run request.** For standard Taqman runs, schedule a 2 hour time slot. For SYBR green runs with a melting curve, schedule a 2.5 hour time slot. **If you need to change/cancel your time slot, you must update your slot on the calendar (or notify FGC staff) at a MINIMUM of 3 hours in advance.**

<http://fgc.urmc.rochester.edu>

<http://fgc.urmc.rochester.edu>



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Genomics

The Functional Genomics Center (FGC) is a core laboratory offering high-throughput genomics technologies to the University of Rochester scientific community and outside academic and commercial institutions.

The FGC provides the following services:

- [DNA/RNA Extraction and Bioanalyzer RNA quality assessment](#)
- [DNA sequencing](#)
- [DNA Fragment Analysis and Genotyping](#)

1. Visit our website (<http://fgc.urmc.rochester.edu>) and click “Connect to LIMS”
2. Login to LIMS with your username and password, select Real Time PCR, and Submit.

[illegible]

Submitting a Run Request:

1. Visit our website (<http://fgc.urmc.rochester.edu>) and click “Connect to LIMS”
2. Login to LIMS with your username and password, select Real Time PCR, and Submit.

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Please Login

Login Name:

Password:

Select LIMS - Select -

- Select -

DNA Sequencing

Real Time PCR

Please note: The Login Real Time PCR is sensitive.

Supported Browsers [Learn More](#)

3. Download Applied Biosystems SDS v2.2 software if you do not currently have this on your PC. (Note if you are a MAC user, you can use a FGC public workstation.)

Functional Genomics Center

[rt-PCR](#) [dnaLIMS](#)

RT-PCR User Tools

RT-PCR	User Profile	Other Tools
Download and Install SDS Application Software on Your PC. You only need to download and install the SDS software once. ■ 1. Use SDS v2.2 Software to create your 7900 runfile. ■ 2. Upload .sds file into LIMS to create a request ■ 3. Retrieve Results	■ Contact Info.	■ Logout

[Home Page](#)

4. Step 1 directs you to launch the SDS software, create your run file, and save this file to your PC/disk.

5. Click on Step 2 [Upload .sds file into LIMS to create a request](#)



[rt-PCR](#) [dualLIMS](#)

RT-PCR User Tools

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6. Fill in information fields.

7. Browse to select your SDS2.2 (this file will have a **.sds** extension) file. You must configure an SDS2.2 file with the appropriate detectors applied to the appropriate wells, the thermal profile set for your application (default setting is for two step Taqman cycling, SYBR Green users may need to modify this) and the correct sample volume set (default setting is 20ul). **Without an SDS2.2 file accompanying your LIMS request your plate cannot be run.** Follow the instructions below to attach your SDS2.2 file:

- In the "Choose File" field, right click "Browse..."
- and locate the SDS2.2 file you have just configured in your computer's directories.
- Highlight the SDS2.2 file by right clicking on the file
- Right click on the "Open" button.
- The "Choose File:" window should then reflect the location of your SDS2.2 file.

Upload the .sxx File to the coreLIMS RT-PCR Server

Billing Information *required

Department:	robotics
PI:	Rosie
Email:	Manvel_Chavez@urmc.rochester.edu
Account Num:	1234567890 * (10 Characters)
Barcode Number:	B0000001 * (REQUIRED)
ATTENTION: your run date/time must be scheduled using the FGC Equipment Reservation Calendar	
Run Date:	10-27-05 Example: 10-27-05
Run Time:	1PM-3PM Example: 1PM-3PM

Comments:	please save plate!
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Select the Browse or Choose File button to locate the .sxx file.

Choose File: C:\Documents and Settings\acardillo\Desktop\test.sds Browse...

After selecting the file, depress the Submit button to upload the .sxx file to the server.

Clear	Submit
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FIND YOUR SDS FILE



7. Click Submit and print two copies of your request form.

Real Time PCR Request

Upload SDS .sxx File

File Name is: monkey_Jan-18-2006__1262.sds

Filename format: UserName_Date_OrderNumber

Order Information			
PI:	Rosie	Contact:	chavez,manvel
Acct Num:	1234567890	Phone:	2750684
Date:	Jan-18-2006	Email:	Manvel_Chavez@urmc.rochester.edu
Barcode:	B0000001	UID:	1704
Run Date:	10-27-05	Order Num:	1262
Run Time:	1PM-3PM		
Comments:	please save plate!		

Please print 2 copies and turn in one copy with your plate. Please do not forget to submit your physical plate. You must seal your plate with a foil adhesive seal, place your sealed plate inside a ziplock bag with this request form and bring to our Drop-off location. The FGC staff will centrifuge and seal your plate with an optical seal prior to your run.

The request is entered, your order number is 1262.

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Submitting Your Plate:

1. You must seal your plate using a foil adhesive seal and place your sealed plate inside a Ziploc bag with 1 copy of the request form. Make sure to press the foil seal firmly down on top of the wells all over the plate and around the edge to prevent leaks.
2. Bring the bag to our Drop-off location and place in the 4 degree C refrigerator.
Note that storage at 4 degrees C will not affect the results.
3. Your samples will be delivered via courier service to the FGC staff. Scheduled pick-up times are 10 AM and 3 PM, Monday – Friday.
Note that if you are using a One-Step RT-PCR kit and your reaction template is RNA (not cDNA), please email Laura Ascroft (laura_ascroft@urmc.rochester.edu) to make special arrangements ahead of time.
4. Submission deadlines for scheduled runs:
8 AM – 12 PM; plate must be at Drop-off location by 3 PM the day BEFORE the run
12 PM – 4 PM; plate must be at Drop-off location by 10 AM the day of the run
5. The FGC staff will centrifuge your plate and seal your plate with an optical heat seal prior to your run. An automated email will notify you that your run is complete and you can download your .sds file from LIMS.

Downloading Your Data:

1. Visit our website (<http://fgc.urmc.rochester.edu>) and click “Connect to LIMS”

2. Login to LIMS with your username and password.
3. Click Real Time PCR LIMS
4. Click on Step 3. Retrieve Results

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[rt-PCR](#) [dnaLIMS](#)

RT-PCR User Tools

RT-PCR	User Profile	Other Tools
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5. Select your order number and click Submit

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Retrieve Real Time PCR Data

Order Number Sheet Search				
Order Number	Order#	Process Date	Results Filename	Barcode
1037	1037	Aug-24-2005	jerryt_Aug-24-2005_1037	bar-12345
	1028	Aug-23-2005	jerryt_Aug-23-2005_1028	BAR-5000
	1027	Aug-23-2005	jerryt_Aug-23-2005_1027	bar1000

Select a drop box entry to retrieve results from your Order.
 Then open the file using SDS software and save the file to your computer/disk.

6. Left click your Results File, click Open, and open with SDS software.

[Sequencing Request](#)
[Retrieve Results](#)
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Retrieve Real Time PCR Data for cardillo,andy

UID	Order	Template Filename	Results File	Submit Date	Process Date	PI	Acct	Barcode
1929	1047	andyc_Aug-25-2005_1047	andyc_Aug-26-2005_1047	Aug-25-2005	Aug-26-2005	Welle	1234567890	B00001340

To download specific files:
 Mac: Hold down Control Key, Click Mouse. Select Save Linked File As...
 PC: Right Mouse Click, Save Link As...

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[Sequence Request](#)
[Retrieve Results](#)
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Retrieve Real Time PCR Data for tuneberg.jerry

UID	Order	Template Filename	Results File	Submit Date	Process Date	PI	Acct	Barcode
216	1028	jerryt_Aug-23-2005_1028	jerryt_Aug-23-2005_1028	Aug-23-2005	Aug-23-2005	JLT	AC-1234567	BAR-5000

[To download example files](#)

File Download

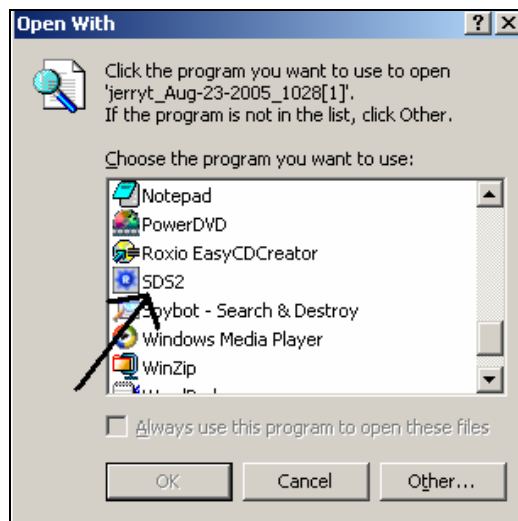
Some files can harm your computer. If the file information below looks suspicious, or you do not fully trust the source, do not open or save this file.

File name: jerryt_Aug-23-2005_1028
 File type:
 From: fgclims.umc.rochester.edu

Would you like to open the file or save it to your computer?

☒ Always ask before opening this type of file

Save Linked File As...
Reserved.



7. Save your results file to your PC/disk.

8. Logout of LIMS.