
**Setup Guide for the TaqMan® hPSC Scorecard™ Panel on the
StepOnePlus™ Real-Time PCR System**

TaqMan® hPSC Scorecard™ Panel Setup Guide for the StepOnePlus™ Real-Time PCR System

Use the following step-by-step instructions to support the TaqMan® hPSC Scorecard™ Panel on your real-time PCR instrument.

Downloading the Template File

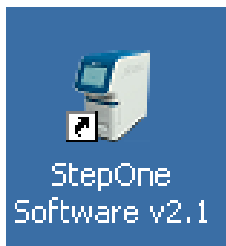
In order to run your StepOnePlus™ instrument to support the TaqMan® hPSC Scorecard™ Panel, you will need to obtain a template file from the Life Technologies website that contains all of the necessary experimental parameters to run your instrument. To do this:

1. Download the *96w FAST StepOnePlus Template.edt* file from the Life Technologies website at lifetechnologies.com/scorecardinstrument
2. Save the template file (.edt) to your computer.

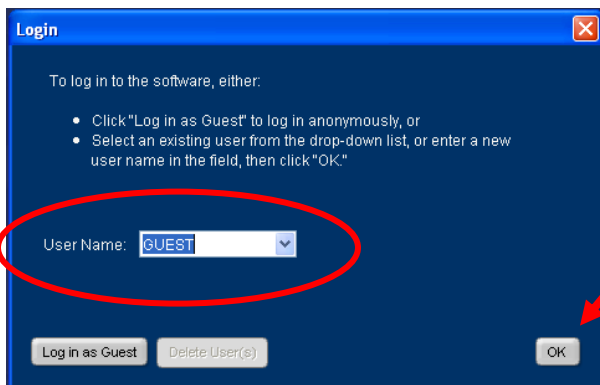
How to Initiate the Run from the Template File

After you have downloaded the template file, and loaded the sealed reaction plate into the StepOnePlus™ instrument, prepare to run the instrument by:

1. Double click the StepOne Software icon to open the StepOnePlus™ software.



2. Select the Appropriate "User Name" and then click "OK" to connect with the StepOnePlus™ instrument

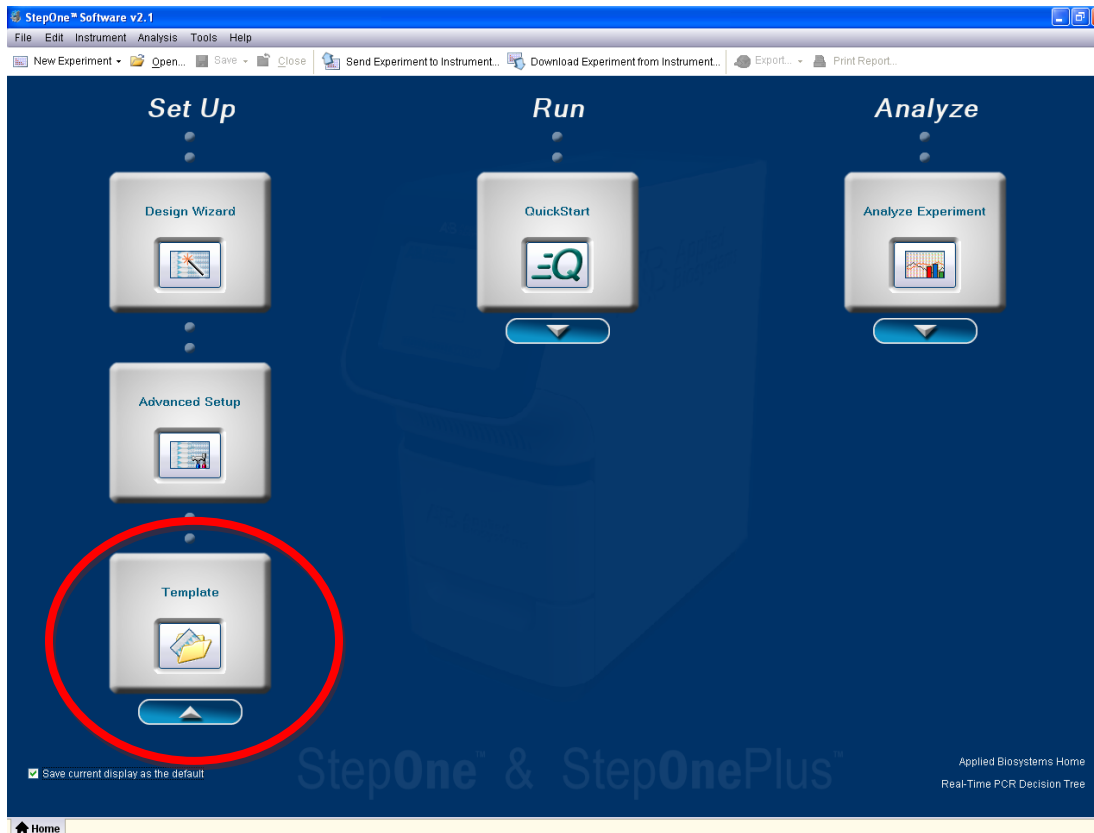


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Note: It may take a few minutes for the software to connect with the StepOnePlus™ instrument. You might see the following information screen while the software is establishing the connection.

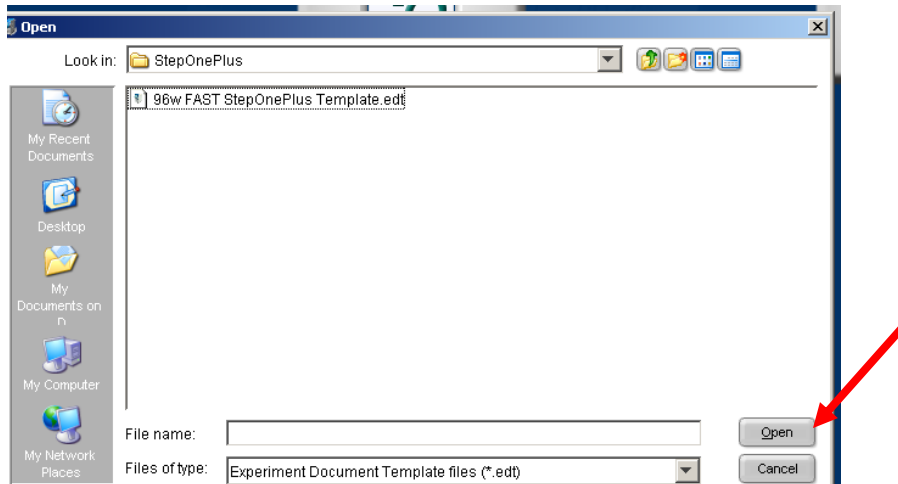


- From within the StepOnePlus™ Software, select the “Template” button located on the home screen of the software.



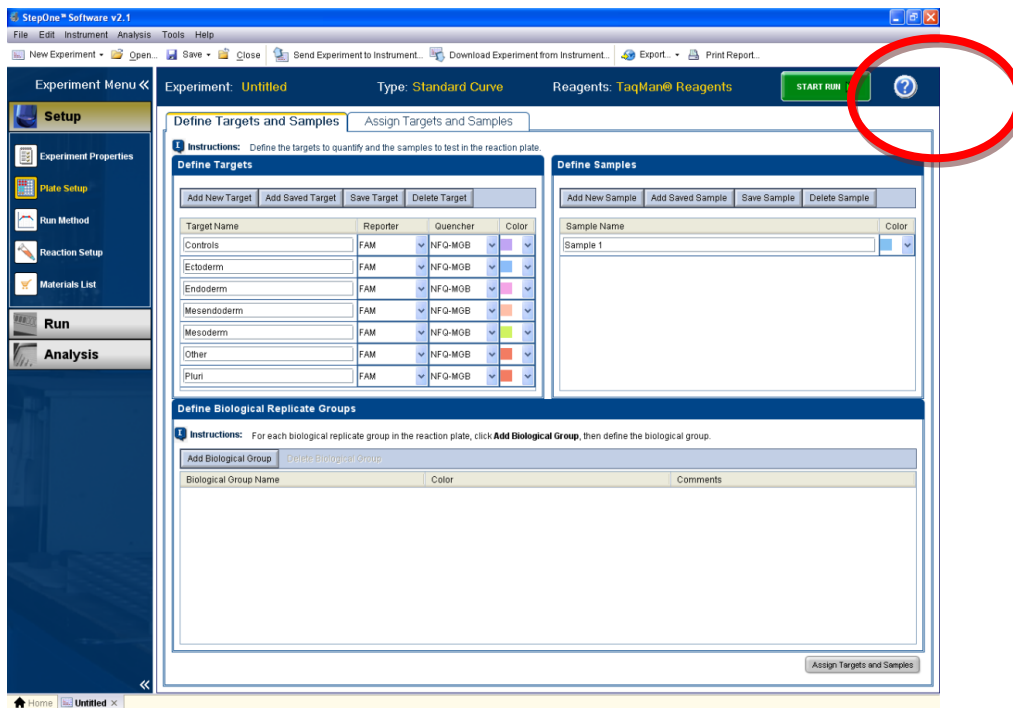
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4. Select the Template file (.edt) that you downloaded from the Life Technologies website and click “Open.”



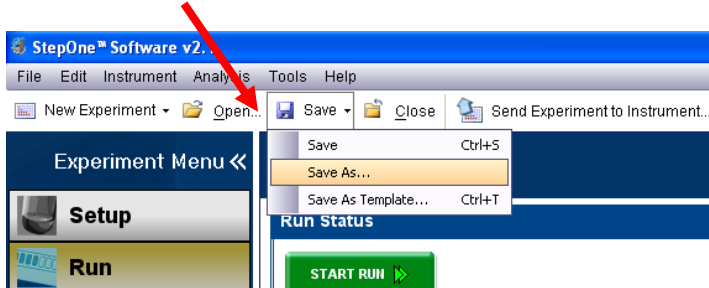
5. Initiate the qPCR run by selecting the “Start Run” button located in the upper right hand corner of the screen.

Note: You may be asked to “save” your data prior to initiating the run depending on the version of StepOne software you are using.

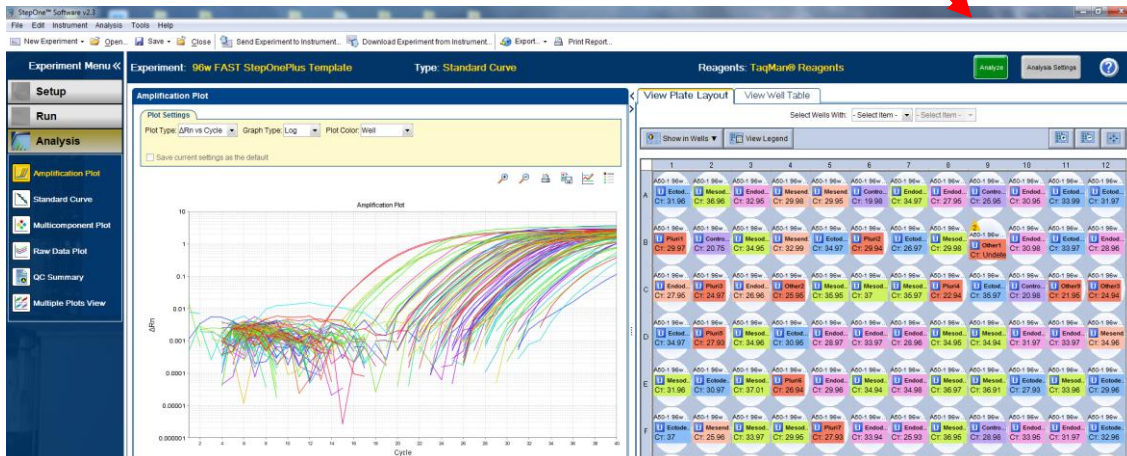


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- After the run is complete, save your experimental file to the desired location by selecting the “Save As” option under the Save button in the upper panel of the software screen.



- Navigate to the “Analysis” section of the left-hand menu of the StepOne™ Software. Select all wells if they are not highlighted in the Plate Layout section of the user interface. Click the green “Analyze” button to calculate Ct values for each well from the amplification plots generated during the run.



- Click “Save”. You are now ready to upload your data into the hPSC Scorecard™ Analysis Software for analysis.

Access to the hPSC Scorecard™ Analysis software can be obtained by visiting lifetechnologies.com/scorecarddata or by navigating to the Life Technologies web site.

How to Initiate a Run using the touch screen of your StepOnePlus™ Instrument

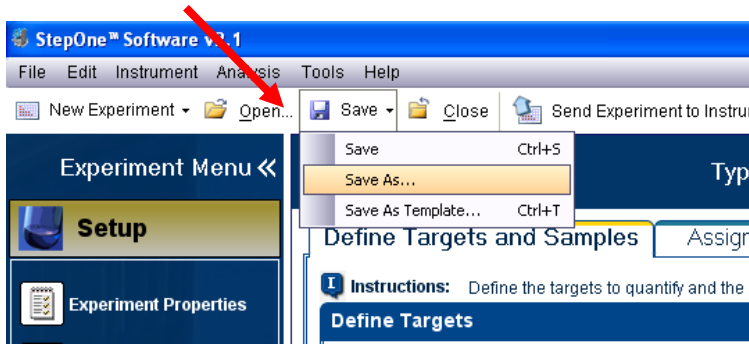
You can run experiments directly from the StepOnePlus™ Instrument touch screen with use of an USB drive.

Convert the Template file (.edt) to an Experimental Document Singles File (.eds) :

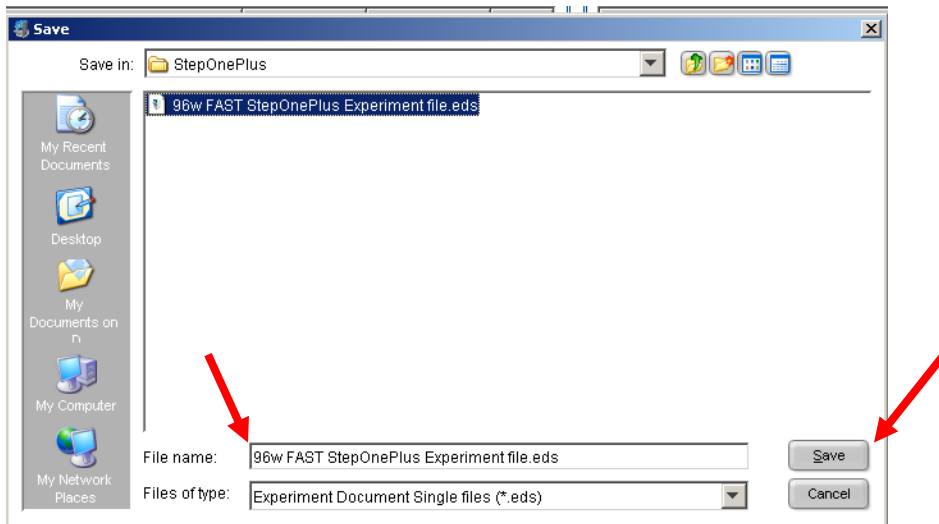
- Follow steps 1-4 above to open the template file in the StepOnePlus™ software.

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2. Instead of initiating the qPCR run, save your experimental file by selecting the “Save As” option under the Save button in the upper panel of the software screen.



3. Type in the desired file name and storage location (i.e. your USB drive) for your data file and then select “Save.”



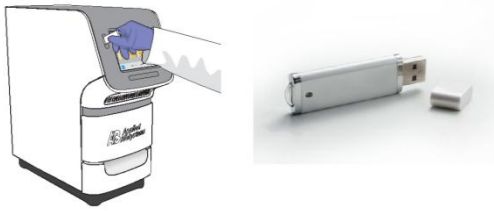
Note: Notice how the file type is now an Experimental Document Singles File (.eds)



4. You may now use this .eds file to run an experiment directly from the touchscreen of your StepOnePlus™ instrument.

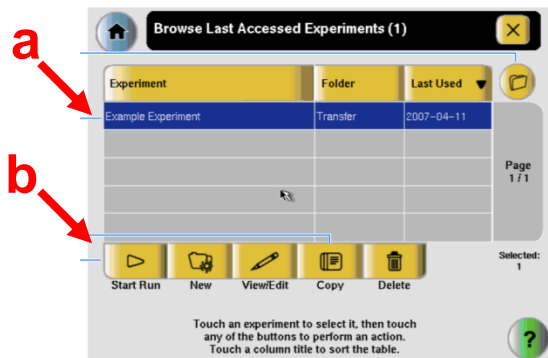
Start the Run from the Instrument touch screen:

1. Connect your USB drive to the StepOnePlus™ Instrument

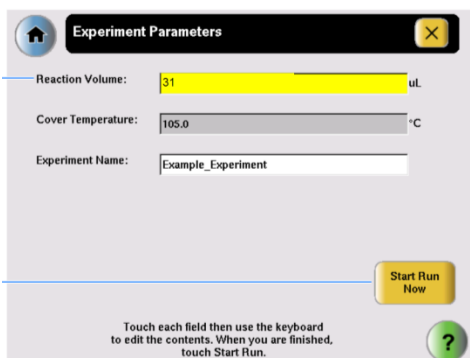
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2. In the Main Screen, touch **Browse/New Experiments**.
3. In the Browse screen, touch  **Folders**
4. Touch the USB icon to transfer your experiment file
5. Before starting the run, save the experiment to your instrument:
 - a. In the Browse window, highlight the experiment file and then touch **Copy**
 - b. Specify the destination folder, and then click **Save & Exit**
6. Back in the Browse screen:
 - a. Highlight the experiment file
 - b. Touch  **Start Run**

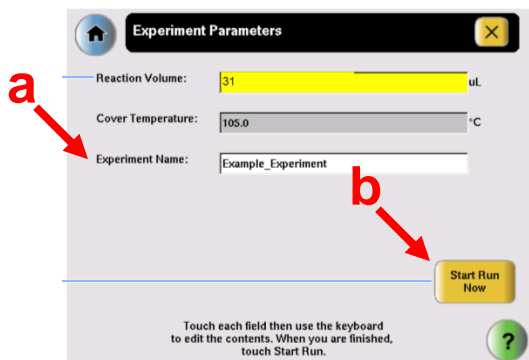


7. This will take you to the Run Parameters Screen.



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8. To start the instrument run:
 - a. Enter in the desired Experiment Name
 - b. Touch Start Run Now



9. After the instrument run is done, save your data back to the USB drive by touching **Collect Results** on the Main menu.
10. Remove the USB drive from the StepOnePlus™ instrument, and transfer the .eds file to a computer with internet access. You are now ready to upload your data into the hPSC Scorecard™ Analysis Software for analysis.

Access to the hPSC Scorecard™ Analysis software can be obtained visiting lifetechnologies.com/scorecarddata or by navigating to the Life Technologies web site.

Frequently Asked Questions (FAQ)

The “Start Run” button appears to be greyed out and will not initiate the run.

Make sure the program you are running is an .eds file. If starting from an .edt file, make sure you have “saved as” a new experiment to create the .eds file.

My instrument will not connect to the software.

Make sure the instrument is powered on and connected properly. If this does not resolve the issue restart your computer and/or StepOnePlus™ instrument.

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