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Real-Time PCR with the iCycler5

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Procedure

1. Turn on the lamp → PCR machine → Computer.
2. When the PCR machine comes on, there will be a flashing screen "Registered User", press enter.
3. Scroll down to "Rice" and press enter.
4. Put in your PCR plate.
5. When the computer is on, double click on "iCycler" icon.
A screen will pop up "confirm iCycler is on and you are logged in." Press "YES"
6. The main menu of the iCycler program will come up and the "View Protocol" tab will be displayed.
Open the folder "Jenn" and highlight: Jenn_amperase RTPCR1.tmo
Here are the PCR conditions:
50°C 2 min, 95°C 10 min, 95°C 15 sec,
60°C 1 min (REAL TIME OCCURS HERE)
Hold at 4°C
7. Click on the tab called "View plate setup" to load your plate setup.
Open your folder and highlight the plate setup that you need.
8. To edit, click on "edit this plate setup":
 - 8.1. Fill in the grid to match your written out plate setup. Use "unknown" icon for PCR reactions and always include the same number of blanks as you do repeats of your samples.
 - 8.2. Then click on "select and load fluorophores" tab. We use FAM490 for Taqman probes. Highlight all of the squares so that they turn bright green.
 - 8.3. Then go back under "samples: whole plate loading" tab and name your samples under "sample identifier".
 - 8.4. When finished, select "save this plate setup".
9. The "run with selected protocol" tab will be highlighted. Click it.
10. Change the sample volume to 20uL and press "begin run."
Save the .opd file in your folder and the PCR will begin.