

How to operate the Perkin Elmer Differential Scanning Calorimeter DSC 6

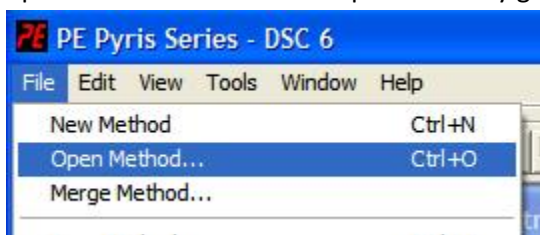
Step 1.

To open the Pyris software click on the DSC 6 button at the top of the screen



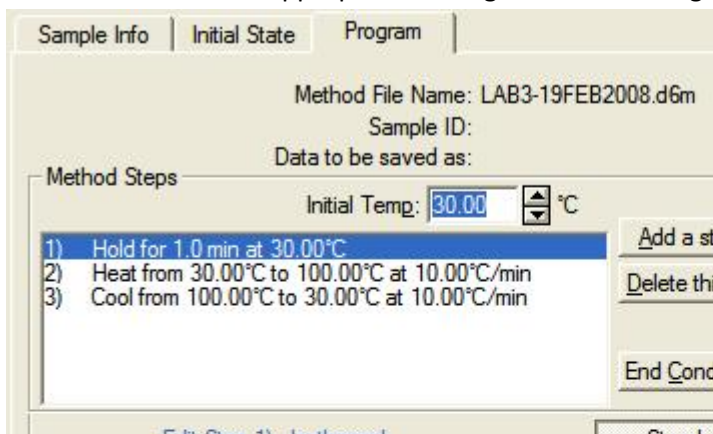
Step 2.

Open the method for the lab procedure by going to File>Open Method... (Ctrl+O)



Step 3.

Make certain that the appropriate settings are in the "Program" tab



(the example given is for LAB3-19Feb 2008.d6m method)

Step 4.

If a baseline file needs to be run, perform that before running your sample. If it has already been run proceed to fill out the information about your sample in the “Sample Info” tab .

The screenshot shows the 'Sample Info' tab of a software interface. At the top, there are three tabs: 'Sample Info', 'Initial State', and 'Program'. Below the tabs, the following information is displayed: 'Method File Name: LAB3-19FEB2008.d6m', 'Sample ID:', and 'Data to be saved as:'. There are two main sections: 'Enter Sample Info' and 'Save Data As'. The 'Enter Sample Info' section contains three input fields: 'Sample ID:', 'Operator ID:', and 'Comment:'. The 'Save Data As' section contains two input fields: 'Directory:' and 'File Name:', and a 'Browse...' button. Below the 'Enter Sample Info' section, there is a section titled 'Enter Sample Weight' with a 'Weight:' input field showing '0.000' and a unit 'mg'.

Include information about your sample: type of material and processing, weight, etc.; your group; and file name information (store in your MSE 365 folder)

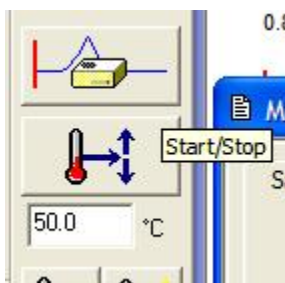
Step 5.

Under the “Initial State” tab remember to add the baseline file correction

The screenshot shows the 'Initial State' tab of a software interface. At the top, there are three tabs: 'Sample Info', 'Initial State', and 'Program'. Below the tabs, the following information is displayed: 'Method File Name:', 'Sample ID:', and 'Data to be saved as:'. There are two main sections: 'Set Initial Values' and 'Baseline File'. The 'Set Initial Values' section contains two input fields: 'Temperature:' with a value of '30.00' and a unit of '°C', and 'Y Initial:' with a value of '20.00' and a unit of 'mW'. The 'Baseline File' section contains two input fields: 'Directory:' and 'File Name:', and a 'Browse...' button. Below the 'Baseline File' section, there is a checkbox labeled 'Use Baseline Subtraction' which is checked, and a 'Browse...' button.

Step 6.

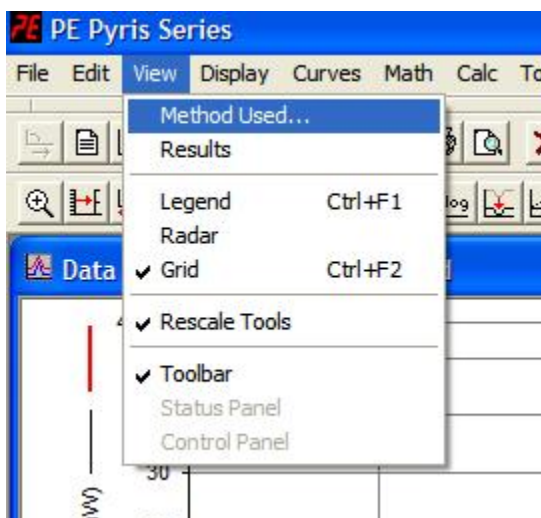
Then when everything is ready to run, press the “Start/Stop” button inside the program



Step 7.

After the sample has run export the data to a text file. To do this, with the file open, go to

View>Method Used



Step 7.

Then “Create” and check off include data points and say okay.

