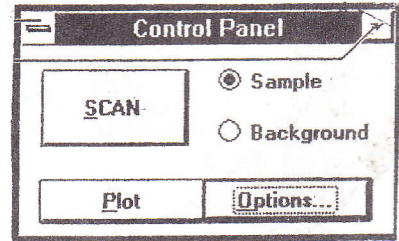# MATTSON GENESIS FT-IR OPERATING INSTRUCTIONS

1. **Control Panel** should appear on the screen. If it doesn't, press the ╫ icon. See diagram below.

2. Click **options** in the control panel.
   - a. click **LOAD METHOD**
   - b. click **tmp.ini** then **OK**
   - c. click **options**

3. With nothing in the sample compartment, click **Background** in the **Control Panel**.
   - a. press the green **scan** button in the **Control Panel**
   - b. click **OK** in the **Ready for Background** Scan box
   - c. click **OK** for title.

4. Place sample in the sample compartment.
   - a. click **scan** in the **Control Panel**
   - b. click **OK** in the **Ready for Sample Scan** window
   - c. type in what you want for a **title** when prompted and then **OK**

5. Data will appear, filling the entire window.
   - a. press **ctrl p** ---the peak picking window appears
   - b. click **OK**
   - c. a red box appears at the top of the computer screen instructing to **pick 2 points for threshold. DO NOT** press OK.
   - d. Put the pointer in the data window near the left Y axis at a height below which all the peaks will be picked. Pick a second point near the right side Y axis and click for second point.
   - e. The **Peak Report** window will appear. Click X in the upper right corner of the window to exit.
   - f. The peaks should all be labeled.
   - g. In the data area, right click the mouse twice. A new window, **DATA AREA** appears.
   - h. Change the value for **Bottom**, so all peak numbers show, i.e. -10. Click **OK**. You may have to repeat this step until all the peak numbers show.
   - i. Press **F7**, click **PLOT**, click **Done**.
   - j. Click the ▦ icon in the tool bar to erase you spectrum.
   - k. Click the ╫ icon so the instrument is ready for the next user.

6. **DO NOT** exit the **WinFIRST** window.

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40
70
100
140
180