

Getting Started With TecellaLab

Now that the amplifier has been installed, the following steps will help you get familiar with the amplifier quickly using the TecellaLab software.

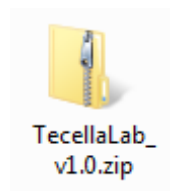
WinWCP Users

If you wish to use the WinWCP software, please jump to the next chapter.

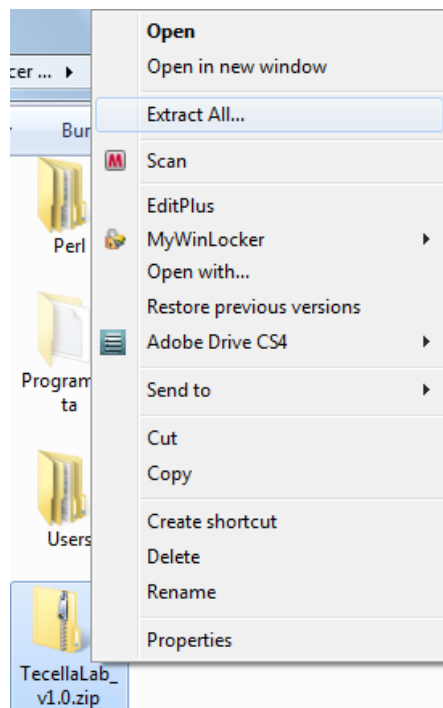
3.1 Install TecellaLab

Download the latest TecellaLab from: <http://www.tecella.com/download>

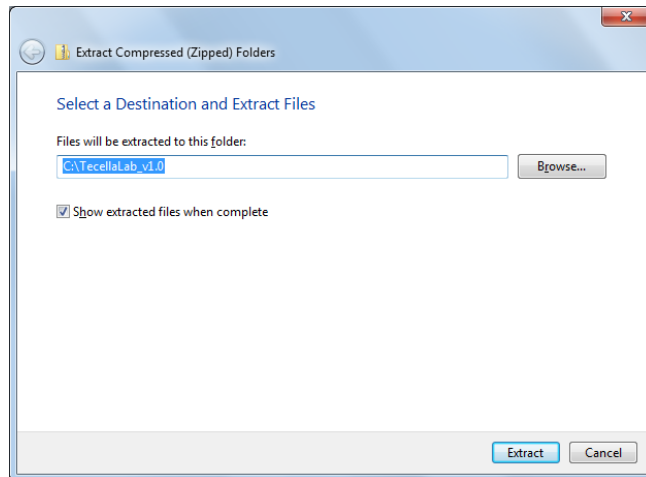
Unzip TecellaLab To Folder



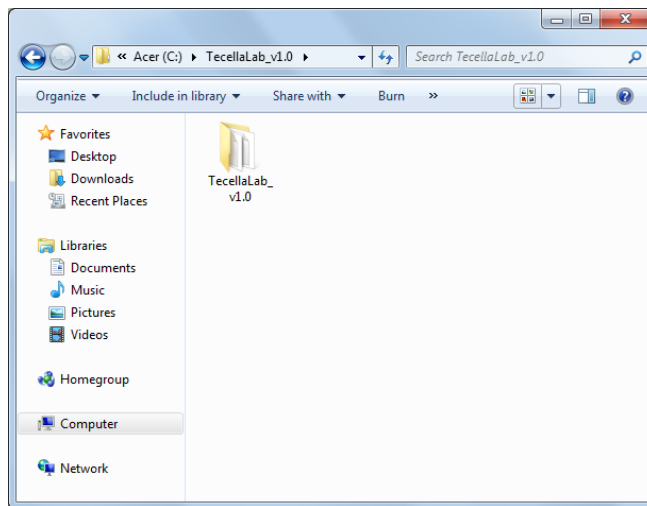
Locate the TecellaLabxxx.zip file provided to you via CD, via download from our website, or via email attachment from us.



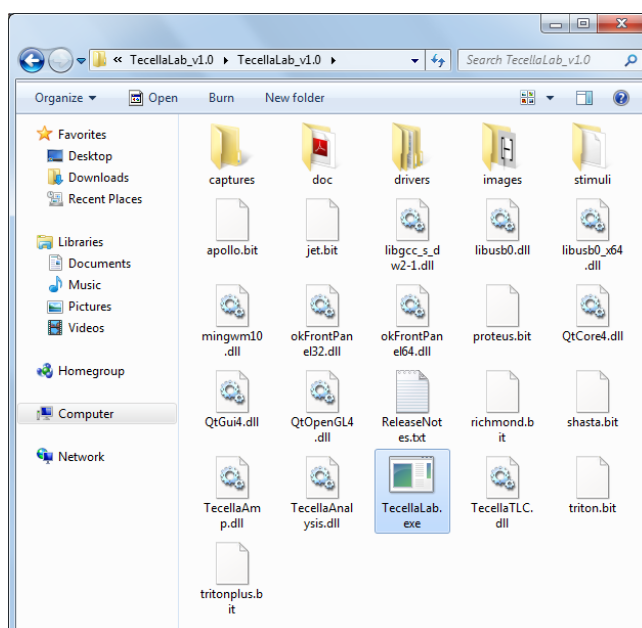
Right click on the zip file and select “Extract All...”.



We recommend you extract the files to the root folder of your main drive, usually the C:\ folder, because data recordings are saved to a subfolder of the TecellaLab folder by default.

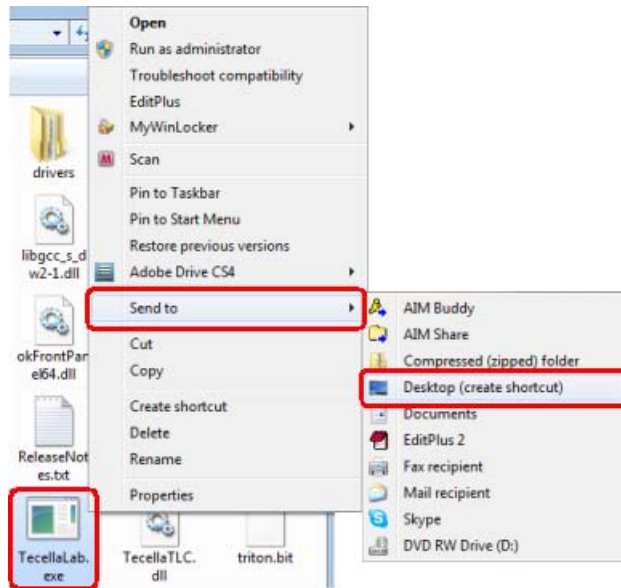


Double click on the TecellaLab folder.



You will see TecellaLab.exe file which is the TecellaLab software. You will also see several folders, including “captures” which stores the data, “stimuli” which stores the stimulus command protocols, and “doc” which contains TecellaLab documentation.

Create a Desktop Icon

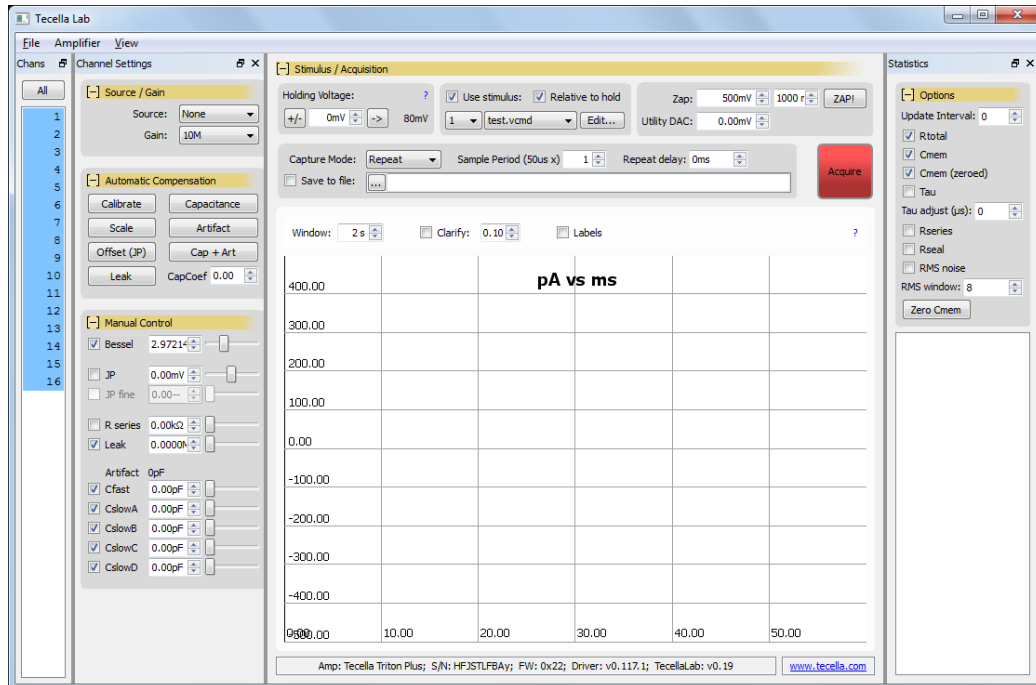


For ease of access, we recommend you create a desktop icon. To do so, right click on the TecellaLab.exe icon, then choose Send To and then Desktop.

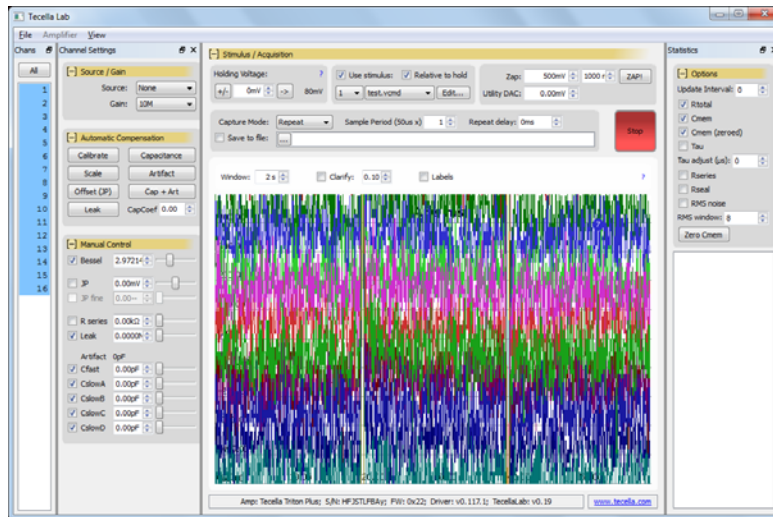
3.2 Launch TecellaLab



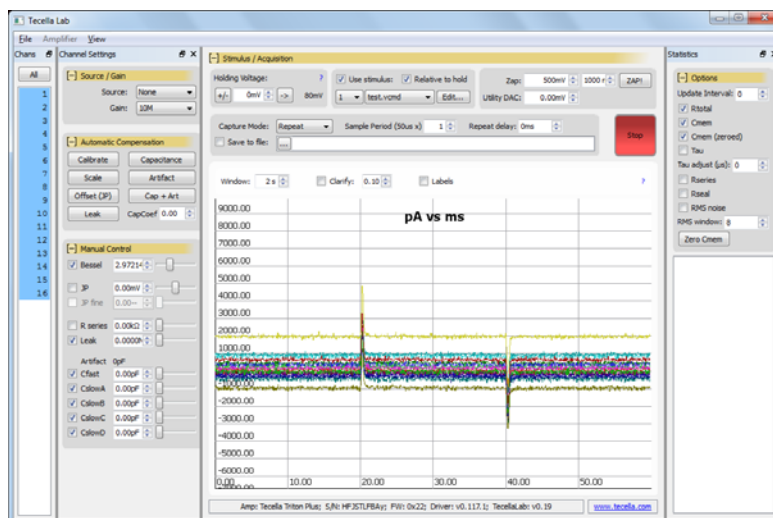
Start TecellaLab by double clicking on the Desktop icon you just created. If you did not create a desktop icon, then you can start TecellaLab, by double clicking on the TecellaLab icon in the TecellaLab folder that you created. Screen below will appear.



3.3 Start Acquisition



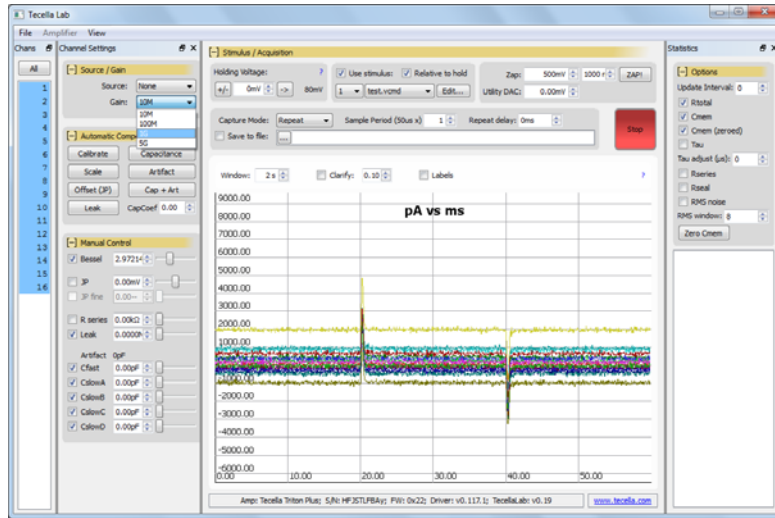
Click on the Acquire button in the upper right to begin acquisition. You should see a waveform like this. Double Click in the waveform section to zoom out and fit the waveform.



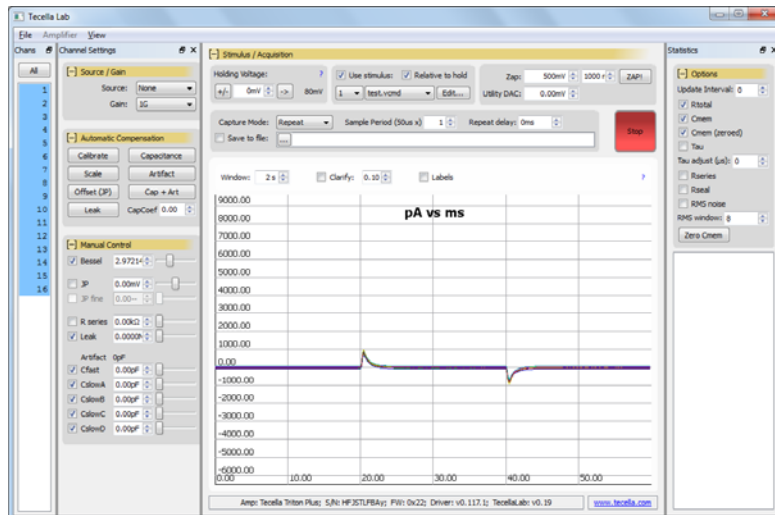
You can now see the entire waveform.

Holding down the left mouse button allows you to move the waveform. Holding down the right mouse button allows you to zoom in and out.

3.4 Changing Gain (Rf setting)

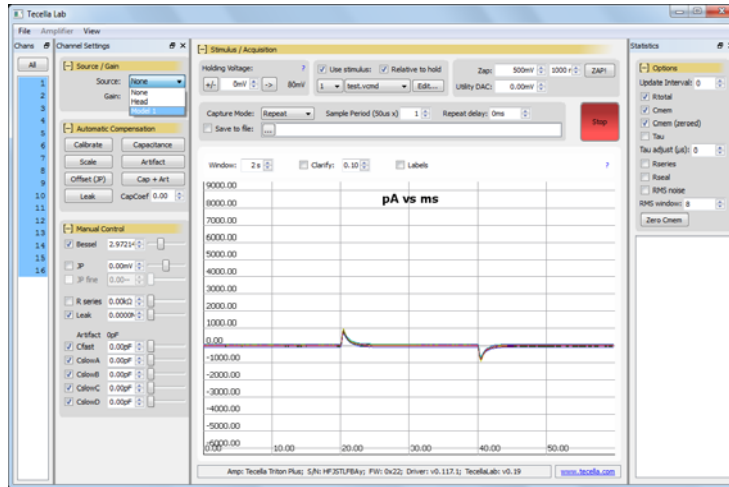


Pull down on the Gain menu and select 1Gig.

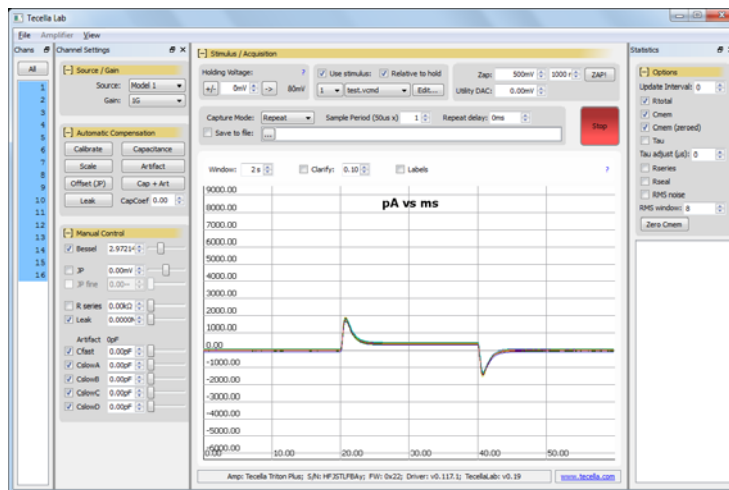


Notice the substantial reduction in noise at the higher gain.

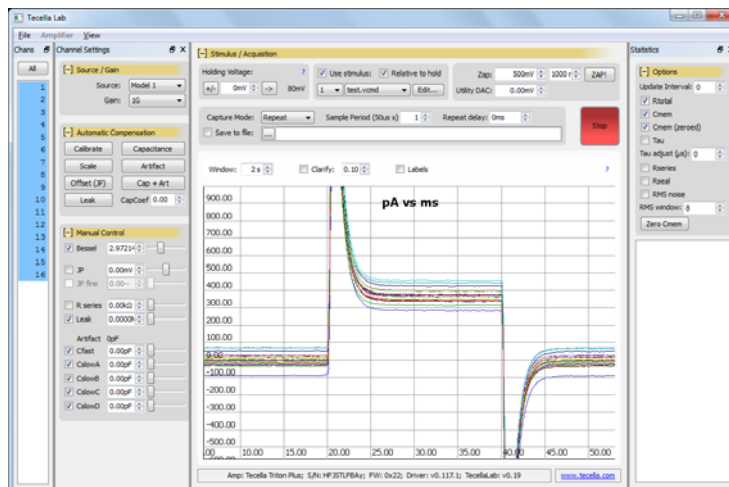
3.5 Changing Source



Pull down on the Source menu and select Model. The Triton+ comes equipped with a whole cell model cell on every channel. The model cell consists of 10Meg series resistance and 100Meg seal resistance.



Notice the current flowing through the model cell.

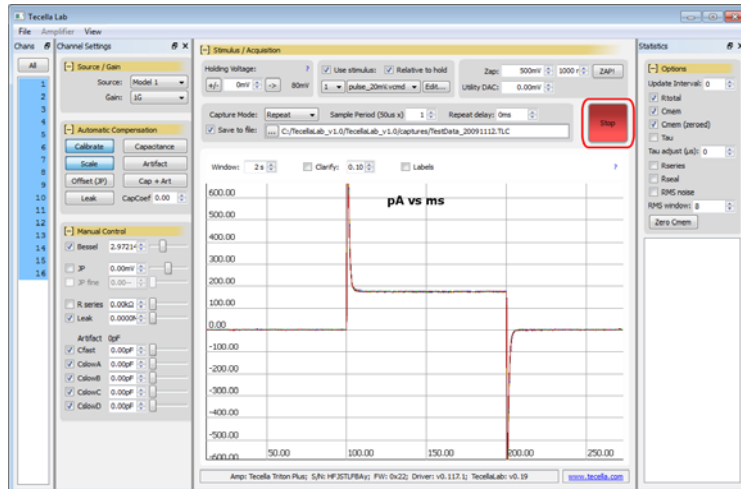


Holding down on the right mouse key, move the mouse up, then to the right to zoom in on the vertical and horizontal axes, respectively.

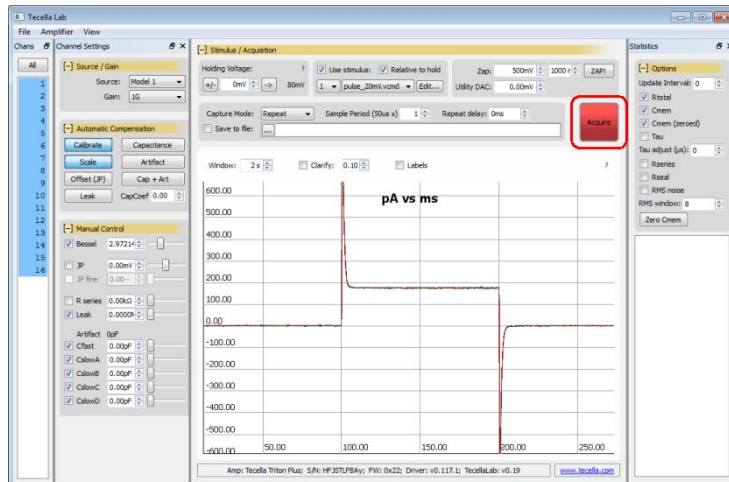
3.8 Save Data To a File

Warning!

Make sure acquisition is stopped before proceeding.

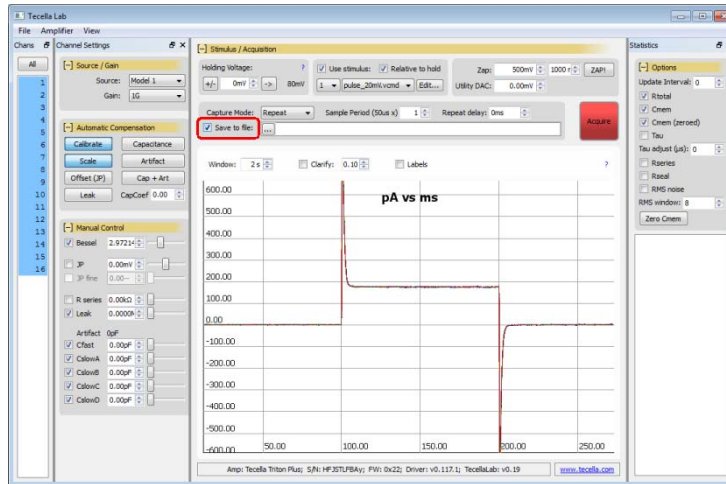


If the Acquisition/Stop button is displaying “Stop”, then you are in acquisition mode. Stop the acquisition by pressing on the “Stop” button.

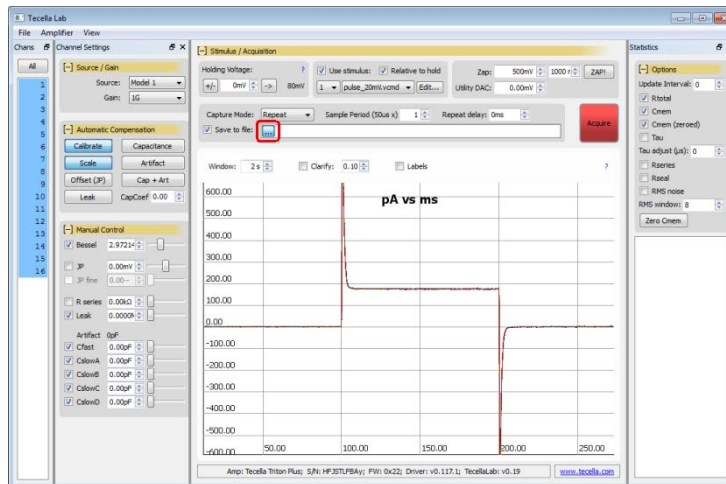


When acquisition is stopped, the button should display “Acquire”.

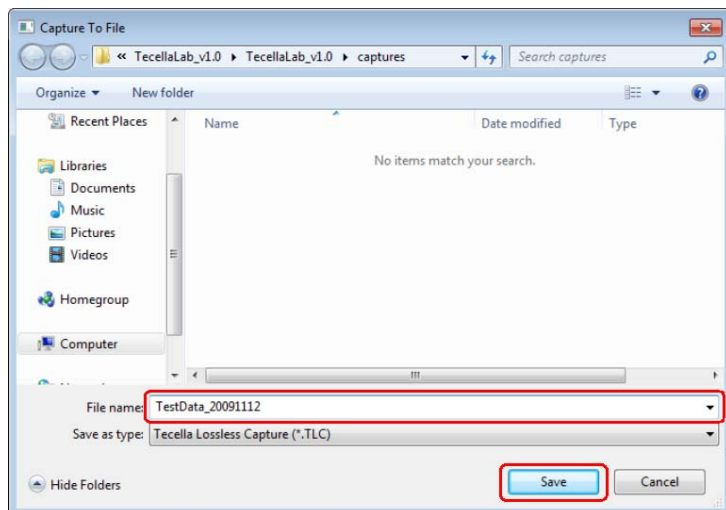
You can now proceed to specify the output file.



Click on “Save to file”.



Click on “...” to specify the output file.

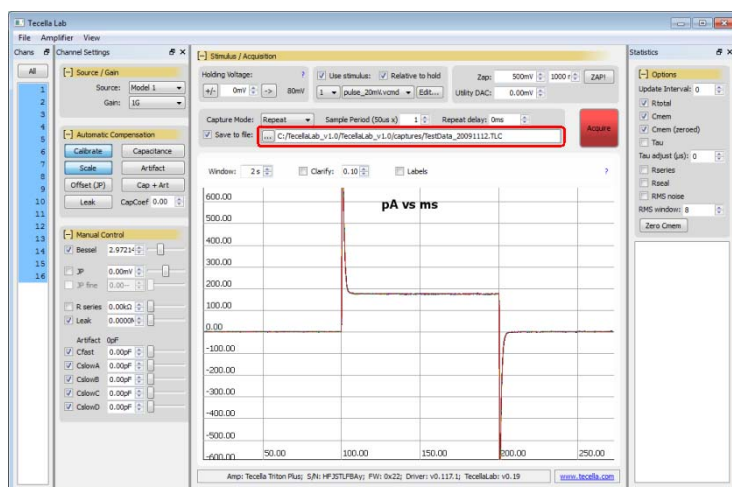


The “Capture To File” dialog box will pop up. The default output folder is “C:\TecellaLabData\captures” under the TecellaLab folder.

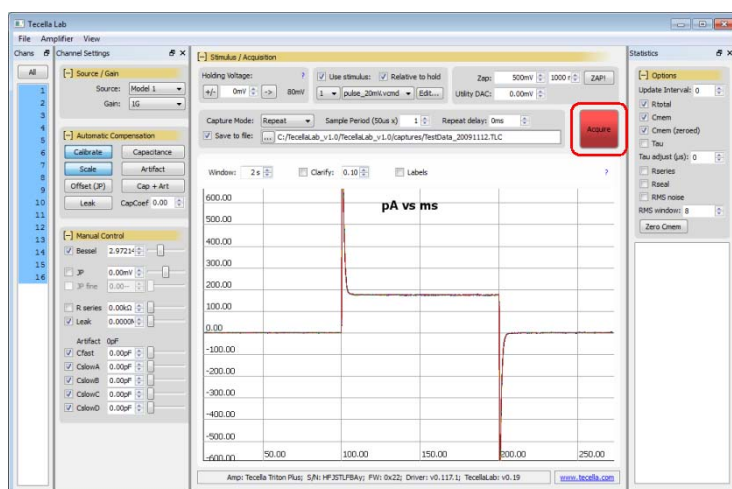
Default filename is the time stamp.

Data is saved in TLC (Tecella Lossless Compression) format with file extension of TLC.

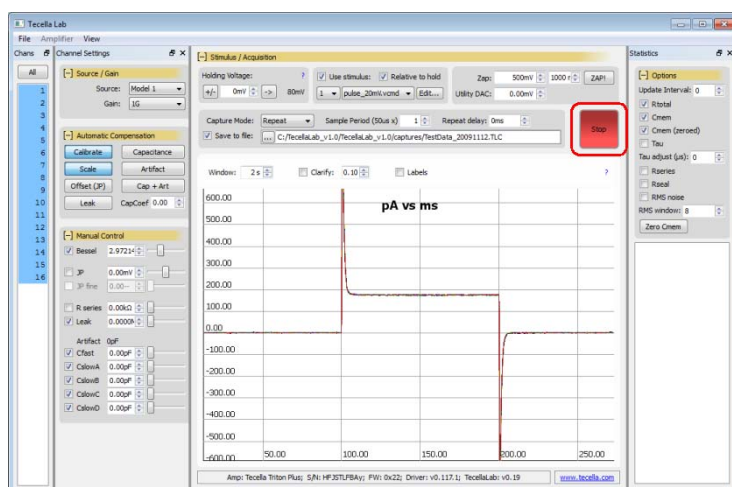
TLC files can be converted to tab-delimited, ATF format using the `tlc2atf.exe` utility.



The output file name is displayed in TecellaLab. Acquisition data will now be saved to this file.



Click on “Acquire” to begin acquiring data and saving it to the output file.



Click on “Stop” to stop acquisition and to write the data to the output file.

Subsequent starting and stopping of acquisition will cause the data to be appended to the output file.

3.9 Convert Data to Tab Delimited or ABF (binary) Format

Click on the “Start” tab in upper left corner. Click on “Export TLC data”.

