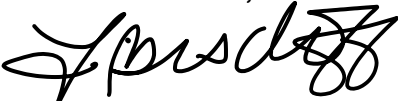# ZipTHaw202 System™ Quick Start Guide

1. Remove the inner box with the device with FreMon Scientific labeling from the outer brown box

   a. Check on the outer brown box for 3 red drop shock detectors stuck on the walls of the box
   b. Take a pic of any detectors with dark blue arrow/bars vs red, blue is a positive indicator of being dropped hard
   c. Send pics of shock indicators turned blue and indicate the side of the box it was on, to will@fremonscientific.com
   d. Send pics of any visible damages to either the outer or inner box to will@fremonscientific.com

2. Open box and pull out the small side handle tabs so the ZipThaw will slide easily out of the box

   a. Pull out red box lying flat on top and set aside, it contains the User's Manual, 5 Zipsleeves and Warranty card
   b. Pull out the red box packed on the side of the device, which contains the power cord
   c. Pull the device up and out of the box
   d. Remove the device from the protective foam packing material

3. Set the device onto the bench, level, with enough space to fully open both chamber doors, within reach of power outlet

   a. Obtain the User's Manual, 5 single Zipsleeves, and Warranty from the red packing box
   b. Obtain the Power Cord and plug it into the receptacle on the back of the device
   c. Ensure the Power Cord can reach the appropriate wall power outlet and plug it in

4. Flip ON the Main Power Switch on the back of the device near the Power Cord connection

   a. Within a few minutes, you'll see a Penguin ICON in the upper left corner of the screen, and the program will load
   b. ZipThaw202 will begin BIT system checks, if no BIT related failures, the device will then begin Pre-Heating *(during the pre-heat phase the device will appear to be vibrating lightly, this is expected)*
   c. Several minutes later, the device will go into ready state, if no Pre-Heating related failures
   d. You will then see the GUI divided into two halves, Chamber A and Chamber B, this is the Home screen

5. Before using the ZipThaw202 for the first time, confirm the version of software loaded onto the device and set up the Warming Cushion replacement reminder screen

   a. On the Home screen, press the gear ICON for settings, and enter 2 and press OK to enter the Technical Screen

b. On the left side of the screen, you will see the "package" software installed, confirm that this is the most current (01.31)

c. If not the most current, please obtain instructions and swu *(software update)* file to do a software update

d. If doing a software update, after the device performs an auto restart, you will need to do another **manual** restart by powering the ZipThaw down and flipping the Main power switch on the back of the device to **OFF**

e. Send confirmation of software update form and device **Serial Number** to will@fremonscientific.com

f. Look for the 5 white dots at the bottom of the screen, to select the Warming Cushion Replacement Reminder set up screen (4th dot from the left)

g. Select the appropriate replacement frequency. Must be at least 1x per 12 months (1 year) but if usage will be high, you may select 1x 3 or 6 months. Your Distributor can assist you with determining the best frequency.

h. Enter a maximum number of cycles as a secondary limit for the reminder to be issued

i. Press SAVE which will reset the calendar for the current date and a reminder date which will appear based upon your selections above

j. Return to the Home Screen

6. At the Home screen and before running a first thaw, you must perform minimum Admin set up, this need only be done once.

   a. In the upper right corner of the GUI, locate and press the Settings ICON, enter the Admin passcode **45253**

   b. Once in this screen, you may also change the Admin passcode from the default to one set by the operator

   c. To do demo or first runs, you must first add an approved User

      i. Touch the User field on the GUI, type in Name, then to the right, touch the barcode field
      ii. Scan the User ID barcode, once entered

   d. Select Language (currently English only), Temperature (F or C), Date/Time format, sound ON/OFF

   e. Once all is entered on this screen, press SAVE in the lower right corner of the GUI

   f. You will then be taken back out to the Home screen for both Chambers

7. Obtain your frozen unit for the demo or first unit to thaw
8. Select a Chamber to load by touching the GUI
9. The data entry screen will appear, you will enter only the minimal DIN and User's ID barcodes or all or no additional barcodes

   a. You may enter nothing here and press OK, you will then see questions to continue or not, without entry

    b. If minimal entry is desired, touch the DIN field and scan the DIN barcode from your ISBT Plasma Unit Label

    c. Touch the User ID field and scan your User's ID barcode

    d. Press OK and wait a few seconds, you will then see the START screen appear with two options

10. Obtain a ZipSleeve and your frozen unit, slide the unit into the sleeve, with label facing red arrow, ports up
11. Open the selected Chamber door, and hang the ZipSleeve and unit, aligning the holes at top
12. Close the Chamber door, ensure that the door is tightly closed, and watch the GUI for the START bar to appear
13. Select either the shorter "Melt" to liquid, with stop at 15C or "Thaw" to ready to transfuse with stop point at 31C
14. The thaw cycle will begin, GUI icon will turn orange

    a. Chamber indicator lights on the corners of the Chamber door, turn orange

    b. Temperature within the icon on the GUI begins to increase, elapsed time begins to count

    c. At this point, you can let the cycle run to natural completion or press the black STOP bar

15. The cycle stops, the icon and indicator lights turn green, 5 minute count down timer starts for reminder to the Operator that s(he) must unload the unit
16. Open the Chamber door, remove the ZipSleeve and thawed unit, immediately close the Chamber door

    a. Extract the thawed unit from the ZipSleeve

    b. Save the ZipSleeve for up to 8 total uses; *with each thaw, the device will monitor the number of ZipSleeve uses and that will be indicated on the GUI, i.e., 1/8, 2/8 etc*.

17. If finished, press the Power/Stand-by button to the right of the GUI, and press OK
18. The device will now shut down
19. If you wish to start again, press the Power/Stand-by button, and the device will restart

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