Texas Tech University

New FOSS (ML110)

Proximate Analysis on the FOSS can only be used on raw product.

Data Capturing:
1. On the computer desktop, click on the ISIscan icon. When prompted, enter the following user credentials:
   a. Username: Manager (you shouldn't need to change this)
   b. Password: foss (lower case, but shouldn't be case sensitive)
2. Wait while initializing FoodScan. A box should popup indicating the status of this process.
3. If your product is already in the list, you can proceed without making a new product. Skip step 4.
4. To make a new product:
   a. Right click product; select add product.
   b. Manually select which variables you want as output. Small cup is the cups with the white liner from the old FOSS.
      i. Collagen small cup
      ii. Fat small cup
      iii. Moisture small cup
      iv. Protein small cup
   c. Enter a product name (you designate; this will appear on output)
   d. Enter a product code (you designate; this will appear on output)
5. You can scan samples in 1 of 2 modes. In the default mode that is open already, double click on your product from the list along the left (example Silver Fern). <u>Make sure the door light is green so you can open the door.</u> Load your sample. Enter the sample number and click collect. Repeat as needed for your samples.
6. Alternatively, you can scan in touch screen mode (NOTICE: the screen is not actually a touch screen). To enter touch screen mode, left click on FILE along the top menu bar. Select "Go to Touch Screen." Double click the Product icon. Identify your product (Example Silver Fern) and double click its name.
7. <u>Make sure the door light is green so you can open the door.</u> Load your sample. Close/latch door. Click Start. A screen will pop up so you can enter the sample number.
8. On this screen you can also enter a study number (which can also be a name). If your study does not appear in the dropdown list, you can type a name/number directly in the box with the keyboard. This will need to be done for every sample.
9. Click Save (or hit enter). Click OK (or hit enter).
10. An indicator bar will show the status of the sample (running or complete).
11. When the Results screen appears, record the values on the data sheet.
12. Go back to Step 7 and repeat as needed.

To get out of Touch Screen Mode:
1. Click care.

2. Click ISIscan. DO NOT Exit Program. This will shut the program down completely and you will need to return to step 1 above and re-initialize Food Scan.

To Export Data to Excel:
1. Click on your product name (along left tab) so your results appear in the field to the right. If you want to export the entire list Press Ctrl + A to Select all data. Once highlighted, right click and 'Select Samples.' You may be prompted to replace the Selected Samples if other data are already in this folder.
2. Right Click 'Selected Samples' from the left tab and select 'Export'
3. Export data. Make sure 'One line basic' is selected. This is the default so you shouldn't need to change. Click OK.
4. To Format, select from the drop down menu: 'Excel 97-2000 – Data only (XLS)'
5. The Destination should be the Disk file (you shouldn't need to change because this is default). Click OK.
6. Click OK for Excel Format Options.
7. When the Save As box pops up, save to Desktop under your chosen file name. Click Save.
8. Transfer to your own data storage device (no internet so it can't be emailed).

Proximate Preparation (Whole Muscle Cuts):
1. Thaw product at 2-5☐C for 24 hours.
2. Trim steak to remove all external fat.
3. Cut steak into 1"x1" cubes (must fit easily down tube).
4. Fine grind each steak separately though the Meat Grinder (green).
5. Clean and dry arm of grinder in between each sample.
6. Place each ground sample on a plate with its tag.
7. Fill FOSS plate with sample, level off with spatula, and place in machine.
8. Once analyzed remove sample and re-bag or discard (advisors discretion).
9. Clean FOSS plates.
10. Repeat until all samples are analyzed.
11. Once finished be sure to clean area thoroughly and take trash to the dumpster.

References

FOSS Model Type 78800
FOSS North America, Eden Prarie, MN

Krups 150 Watt Meat Grinder item #402-70 Krups, Shelton, CT