



LACTOSCAN
ULTRASONIC MILK ANALYZER

MILKOTRONIC LTD

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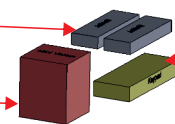
LACTOSCAN SCC

**SOMATIC CELL COUNTER based on
Direct Fluorescent image low magnification
microscopic recognition method**

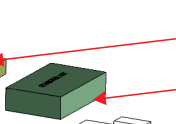
Quick Start Guide

1 UNPACKING INSTRUCTIONS

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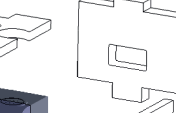
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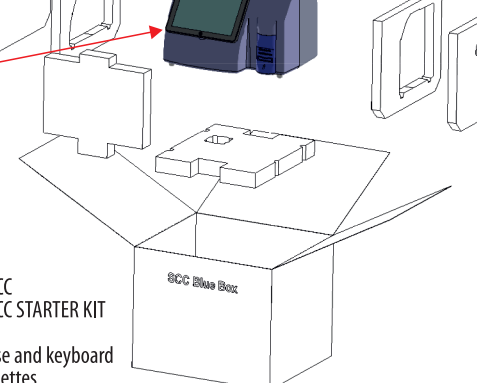
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Contents:

- LACTOSCAN SCC
- LACTOSCAN SCC STARTER KIT
- Mini Vortex
- Wireless mouse and keyboard
- Automatic pipettes

2 SAFETY INSTRUCTIONS

- Read this manual carefully and make sure that you understand all the instructions.
- For safety purposes the device is equipped with grounded power cable. If there is no grounded electrical outlet where the device will be used, please, install such before using the device.
- Place the device on leveled and stable plate.
- This device works with aerial cooling, which means that its surface is heated up. When you install it, make sure there is nothing around it at 10 cm (4 inches) radius.
- Never put any metal objects in the aerial fan, because this may cause electrical shock, physical or device damage.
- Connect to the electrical network in such way that the power cable to stay away from the side for accessing the device and not to be stepped on.
- Always make sure the main switch is in position "OFF" before connecting it to the electrical network.
- In case of damaged device, turn it off and contact the authorized service. Do not disassemble the device. If you do so, the warranty will not be considered valid.
- Use only the authorized accessories (USB flash drive, LACTOCHIP, wireless keyboard and mouse).
- In case of smoke coming out of the device, turn it off and contact the authorized service.

3 ASSEMBLING THE DEVICE

Open the box. Carefully take out the contents of the box.
Place the machine on flat level surface.

4 SWITCHING ON THE SYSTEM

- Plug in the somatic cell counter power supply in one of the back panel inlets.
- Plug in any USB device which will be needed (keyboar, mouse, etc.) in the USB connector.



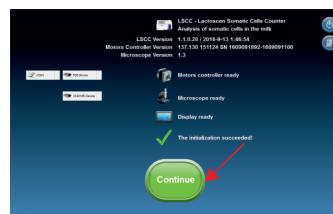
- Switch on LACTOSCAN SCC from the ON/OFF button on the back panel.



- Power on the tablet.



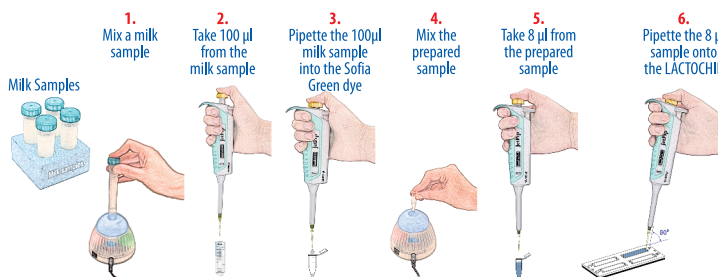
- Wait until software opens.
- If everything is ready, you should receive status "The initialization succeeded!"



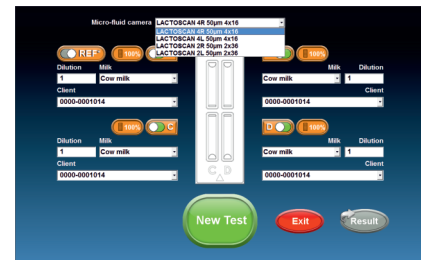
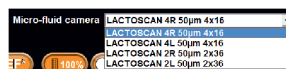
- Switch to Main display menus, by pressing the button "Continue".



- Prepare a milk sample and load it in a LACTOCHIP.



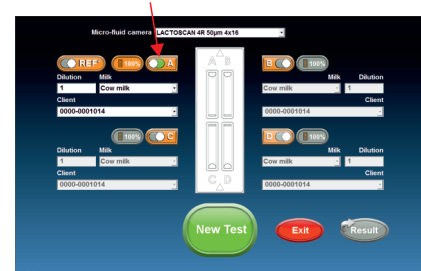
- Choose the type of chip from the drop-down menu.



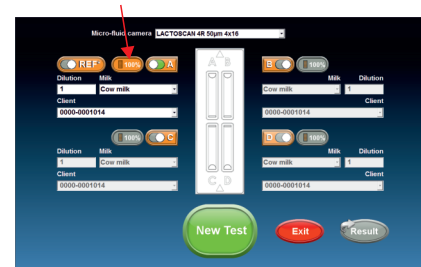
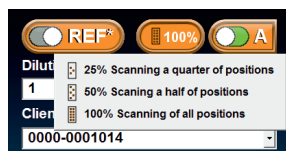
- All the micro fluidic chambers of the LACTOCHIP are selected. If you want to use only 1 or 2, by using buttons



deselect the chambers which you will not be using in this test.



- For a quick analysis, press button 100% and select a test from the drop-down menu.



12. Complete the value of the dilution's multiplier in field

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For milk with FAT:

- Up to 5 %, the value of the multiplier for **dilution is 1**, as the milk is added directly to the lyophilized dye in the micro tube.
- Above 5 %, the value of the multiplier for **dilution is 2**, because, for example, in case of measurement of milk with FAT more than 5 %, for example **buffalo milk**, **it is necessary the milk sample to be diluted with water in ratio 1:1. Then 100 µL of it is taken and added to the lyophilised dye.** Adding water prevents difficulties in milk samples entry into the microfluidic chamber.

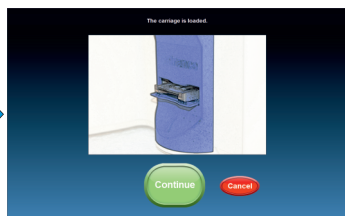
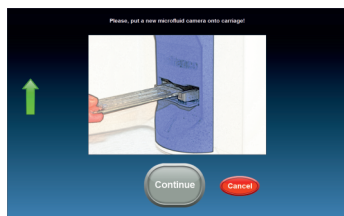
13. Choose the type of milk from the drop-down menu.

13. Enter the name of the supplier or choose from the drop-down menu.

14. After the information for all the samples is entered, press **New Test** in order to proceed with the analysis. On the screen a message will be displayed, showing that the cartridge for placing the LACTOCHIP comes out of the door.

Pressing **Cancel** will revert to the Main screen.

15. Place LACTOCHIP into the cartridge and press



16. The device is making the analysis of the samples.

17. After the test is completed, the results can be:

printed by pressing button



saved by pressing button

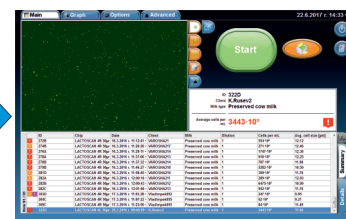


or by pressing button



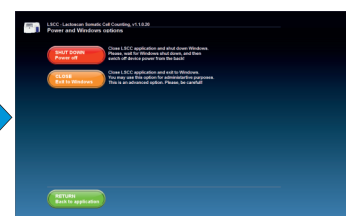
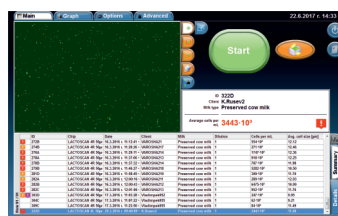
can be continued with the analysis of new samples without saving the results.

18. Take the LACTOCHIP out and press button **Continue** to go back to the Main screen.



5 TURNING OFF THE SYSTEM

1. In order to proceed to the screen Switch off, press the button



2. In order only to exit the device's program, proceed to the OS Windows, and press

CLOSE
Exit to Windows

3. In order to turn off the program and the operational system of the device, press

SHUT DOWN
Power off

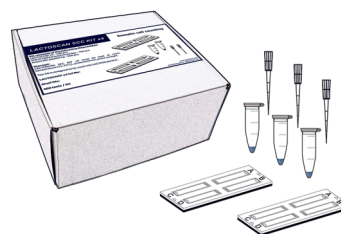
Attention!

Always turn off the device at the end of the working day or after finishing work with the SCC.

4. To go back to the program, press

RETURN
Back to application

6 CONSUMABLES



LACTOSCAN SCC KIT X4

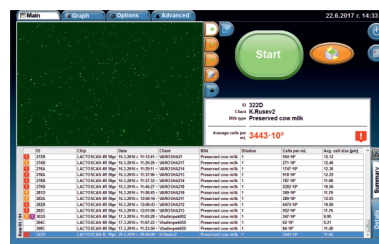
7 MORE INFORMATION

You can download the Instruction Manual of LACTOSCAN SCC from our website http://lactoscan.com/editor/ufo/manuals/SCC/IM_SCC_EN.pdf.

You can also find it in Help Menu of the somatic cell counter by pressing button



located on Main screen.



8 SUPPORT

For any additional information and further question regarding the servicing of the device, contact us at: mainservice@lactoscan.com

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