

Service Action Instruction

Title			
ISCUS^{flex} Instruction: Service Action #62			
Part Number	8060062	Service Action No	62
Approved: Date/Sign			
Service	Development	Production	Marketing

1. How to update the ISCUS^{flex} software to rev L ver. 2.1.0.478

1.1.1. Introduction

To handle the ISCUS^{flex} analyzer software update, configuration and maintenance has to be made. In order to achieve that, proper tools has to be available.

With the release of the ISCUS^{flex} software Rev L (version 2.0.0.339) it became possible to manage this using a single USB key.

One condition that has to be met is that the so called boot up application is of version 2.0. All ISCUS^{flex} with software prior to version 2.0.0.339 have the version 1.1 of the boot up application and need to be updated first.

1.1.2. Before you start

Use only SD cards supplied by M Dialysis AB (max 2GB and mounting fast in an ISCUS^{flex}).

Most USB sticks work fine in ISCUS^{flex}, but test it in an ISCUS^{flex} before using it as a Service Tool.

1.1.3. Create an ISCUS^{flex} Service Tool

- Unzip the (ISCUS Tools and L .478, 8050022M.zip) files to an empty USB memory (or SD card).

A quick look on the USB stick (or SD card) should reveal the following folders:

Name	Date modified
Alternate	11/07/2019 09:51 AM
CMAPostUpdate	11/07/2019 09:51 AM
CMAPreUpdate	11/07/2019 09:51 AM
CMAUpdate	11/07/2019 09:51 AM
FirstOfAll	11/07/2019 09:51 AM
SetTouch	11/07/2019 09:51 AM
UpdateDB	11/07/2019 09:51 AM
ViewServiceLog	11/07/2019 09:51 AM
VNCRegistrySetting	11/07/2019 09:51 AM

1.1.4. Update an ISCUS^{flex} with software prior to version 2.0.0.339

Update the ISCUS^{flex} to boot up 2.0 using your SD-card. Reboot the analyzer.

A dialog, asking you to put in a USB memory, is displayed. Insert your USB Service Tools.

Update the software – Check that the label says version 2.1.0.478, press Update and follow the onscreen messages.

1.1.5. Update an ISCUS^{flex} with software version 2.0.0.339 or later.

A dialog asking you to put in a USB memory is displayed, put in your USB Service Tools.

Update the software – Check that the label says version 2.1.0.478, press Update and follow the onscreen messages.

For US and CLIA only: If you have the proper customer SD card inserted you can now tape it over.

To do software updates and configuration you need to issue the service code BOOT USB and restart.

1.1.6. Service Tools menu

Select Application and click on Run (From USB)

Set touch screen - /Hard Disk/SetTouch/Start.Exe

View Service Log - /Hard Disk/ViewServiceLog/ViewServiceLog.exe

Iscus Test Program - \NAND Store\MCU\IscusTest.exe

Windows Explorer - \Windows\explorer.exe

Control Panel - \Windows\Control.exe

Save Control Panel Settings - \Windows\RegistryFlusher.exe

View Installation log - \Windows\PWord.exe \NAND Store\Logfile.tx

Remote control settings - /Hard Disk\VNCRRegistrySetting\VNCRRegis

View Iscus Log files - \NAND Store\MCU\ViewLogFiles.exe

Glutamate, Glycerol & Syringe Speed fix - /Hard Disk\UpdateDB\Sta

Normal mode - \NAND Store\MCU\Loader_Iscus.exe 1

Service mode - \NAND Store\MCU\Loader_Iscus.exe 0

To version 2.1.0.478

From USB

Run

Update

Close

Start ISCUS

Upd. Bootup

1.1.7. Set Touch screen

Starts automatically if a selection is not made, used for calibrating the touch screen.

1.1.8. View Service Log

Shows the service log entries (not calibrations)

1.1.9. ISCUS Test program

Only for advanced trouble shooting

1.1.10. Windows Explorer

For advanced service engineers handling the inner file structure of the ISCUS^{flex} software. **Caution, incorrect handling may lead to malfunction.**

1.1.11. Control Panel

For configuration issues like language, network settings etc. **Caution, incorrect handling may lead to malfunction.**

1.1.12. Save Control Panel Settings

Issue this after any changes in the Control Panel to permanently store the changes.

1.1.13. View Installation log

Show installation history

1.1.14. Remote control settings

For various settings not found in the Control Panel

1.1.15. View ISCUS log files

For viewing internal log files; AirGapLog.txt, ActivityLog.txt, TemperatureLog.txt, CellTemperatureLog.txt, ProdLog.txt, AllProdLog.txt and QCData.txt.

1.1.16. Glutamate, Glycerol and Aspirate Speed Fixes. Service/PM interval

Starts program for installing the Glutamate Fix, the Glycerol Fix and/or the Aspirate Speed Fix. Set service (PM) interval. Also used for setting the Pyruvate low calibration Linearity limit and Urea Initial blank level.

1.1.17. Normal mode

Start software in normal mode

1.1.18. Service mode

Start software in Service mode

2. For CLIA users

2.1. With a barcode scanner

By issuing the service code:

CLIA NOMINAL CL CALC

It is possible to scan only the CLIA limits and get the proper Nominal Control levels.

2.2. Without a barcode scanner

By issuing the service codes:

CLIA NOMINAL CL MANUAL CALC

It is possible to enter the CLIA limits and lot number manually, followed by pressing the Recalc. button to automatically get the correct Nominal Control Levels.