Service Action Instruction

Title		
ISCUS*flex* Instruction: Service Action #65		
Part Number: 8060065	Service Action No: 65	
Approved: Date/Sign		
Service	Development	Production	Marketing

1. How to install this fix (Lactate Calibrator Response Limit)

1.1. Introduction

This fix was initiated by the fact that some Lactate reagent batches are very sensitive thus giving a high calibrator response. With the new ISCUS*flex* software, 2.1.0.485, it is possible to use the double sample volume for Lactate injections. This also doubles the calibrator response and for some Lactate reagent batches the response is too high.

This fix is meaningful only if the version 2.1.0.485 is installed and the sample volume 0.4 µL has been selected for Lactate (e.g. service code SAMPLE OPTION).

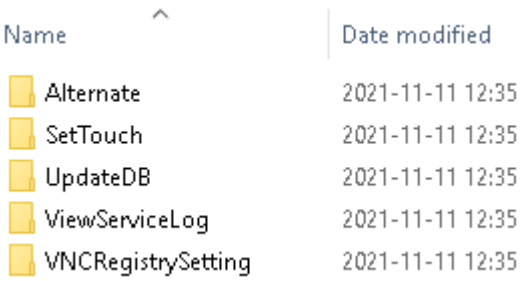
1.2. Before you start

Most USB sticks work fine in ISCUS*flex* but test it in an ISCUS*flex* before using it as a Service Tool.

*1.3. Create an ISCUS*flex* Service Tool*

- Unzip the (ISCUS Tools, 8050022O.zip) files to an empty USB memory.

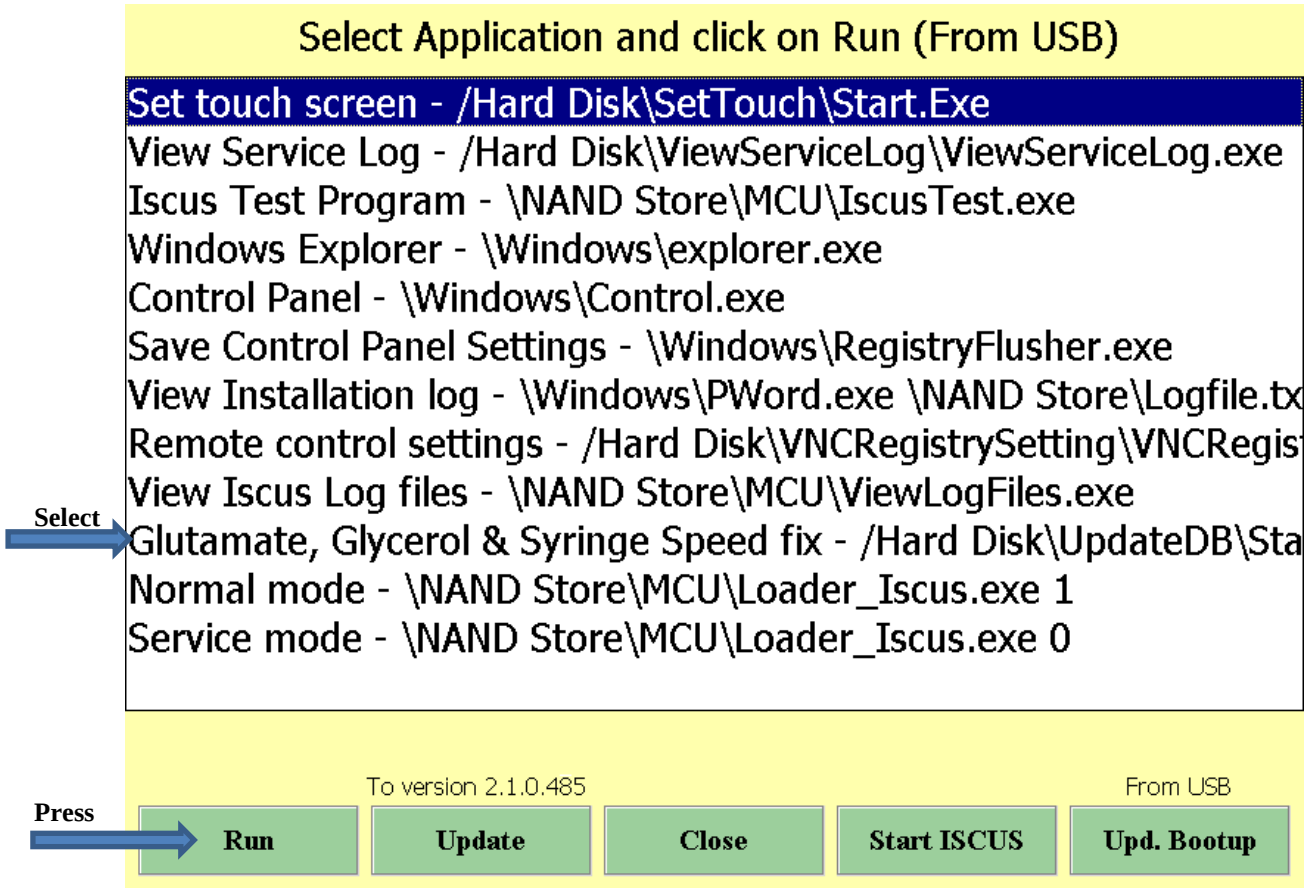
A quick look on the USB stick should reveal the following folders:



*1.4. Install the fix for an ISCUS*flex* with software version 2.1.0.485.*

Turn on the ISCUS*flex* and wait for the dialog asking you to put in a USB memory, put in your USB Service Tools. Wait for the Service Tools menu to be displayed (see sections 1.4.1 and 1.4.11):

1.4.1. Service Tools menu



1.4.2. Set Touch screen

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

1.4.3. View Service Log

Shows the service log entries (not calibrations)

1.4.4. ISCUS Test program

Only for advanced trouble shooting

1.4.5. Windows Explorer

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

1.4.6. Control Panel

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

1.4.7. Save Control Panel Settings

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

1.4.8. View Installation log

Show installation history

1.4.9. Remote control settings

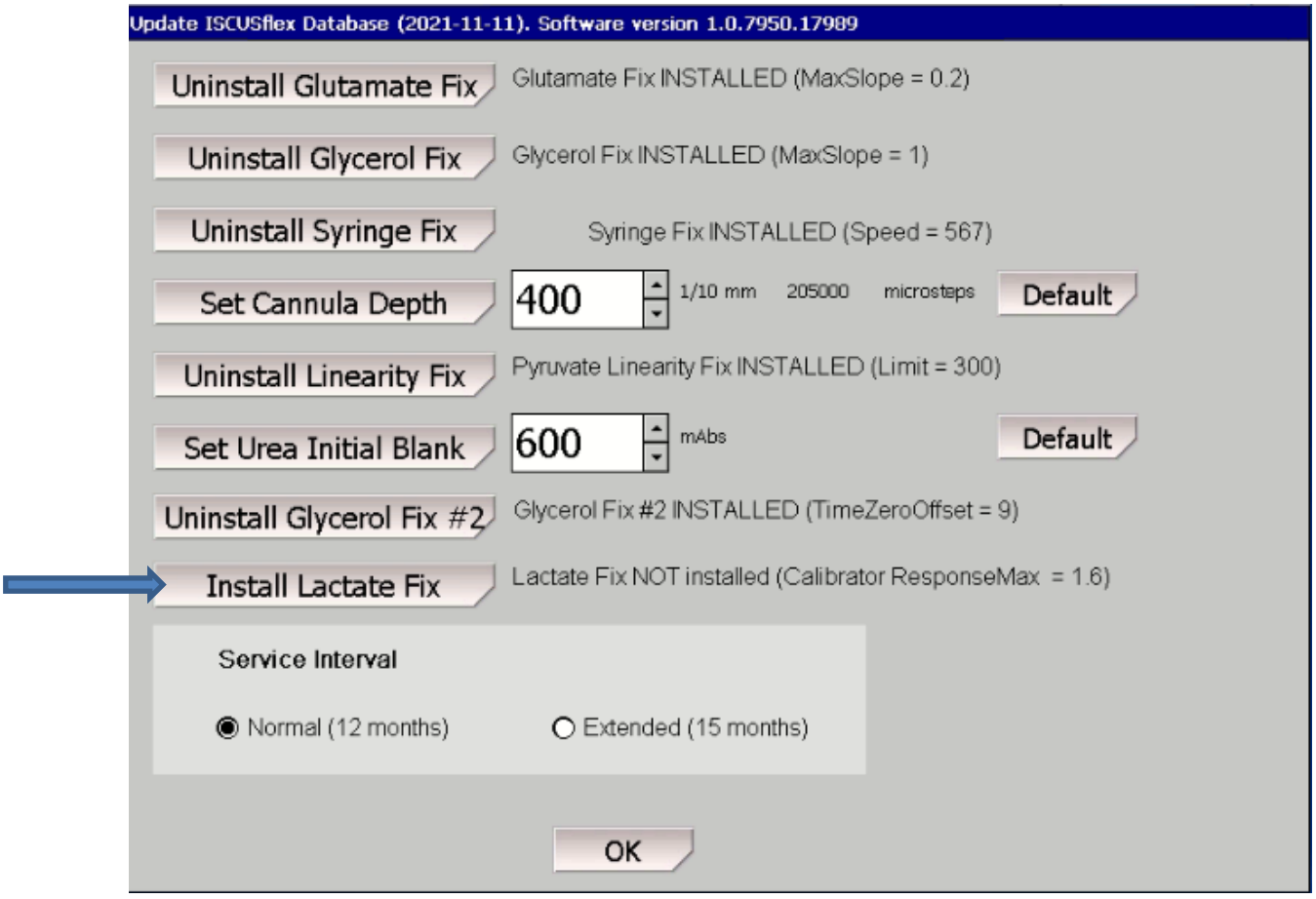
For various settings not found in the Control Panel

1.4.10. View ISCUS log files

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

1.4.11. Glutamate, Glycerol & Syringe Speed Fix.

Starts program for various database settings.



Click on Install Lactate Fix to set the allowed calibrator response max to 3.2 to handle the increased Lactate sample volume.

1.4.12. Normal mode

Start software in normal mode

1.4.13. 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.

3. Specific instructions for version (2.1.0.485, Service Action #64)

After installation the Pyruvate detection limit for low calibration interval is automatically set to 10 (instead of 2). This requires the latest CalVer kit (lot number higher than T27112) for calibration verification.

The sample volumes have to be set with the service code SAMPLEVOL OPTION. This will set sample volumes to

Lactate normal calibration interval to 0.4 µL (for better performance and stability)
Glycerol normal calibration interval to 0.4 µL (for better performance at high concentrations)
Glutamate normal calibration interval to 1.3 µL (for better performance at high concentrations)

Restart the system and change any reagents/calibrator after altering the sample volumes.

Sample volumes can at any time be checked using the service code SAMPLEVOL. It is possible to reset all sample volumes to previous default using the service code SAMPLEVOL ORIGINAL.

The detection limits can at any point be checked using the service code ANALYTEDL. It is possible to reset the pyruvate detection level with the service code ANALYTEDL PYR LOW 2.01 (you can’t set it to exactly 2 it will then jump back to 10).