BioCheck
DxDATA™

Calibration and Quality Control
Quick Start Guide

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General Notes:

1. Procedure is intended for user: Admin

2. Use DxDATA™ kits provided with QR bar code on the side of kit box.

3. Resuspend lyophilized Calibrators and QC samples as described on kit's Instruction for Use.

4. Let kit equilibrate to room temperature for 30 min.

5. Run this procedure with new kit lot on each instrument.

6. New kit lot requires recalibration and QC test by the user.

7. Recalibration is done every 28 days.

8. One or two QC samples are provided with target concentration to ensure quality.

Procedure:

|	
Turn on the DxDATA™ instrument (the switch is at the back of the unit). Select your User Name and enter the password. Click "Confirm" to proceed. Wait for the instrument to reach a temperature of 37±1°C, which is reflected at the top right corner of the screen.	

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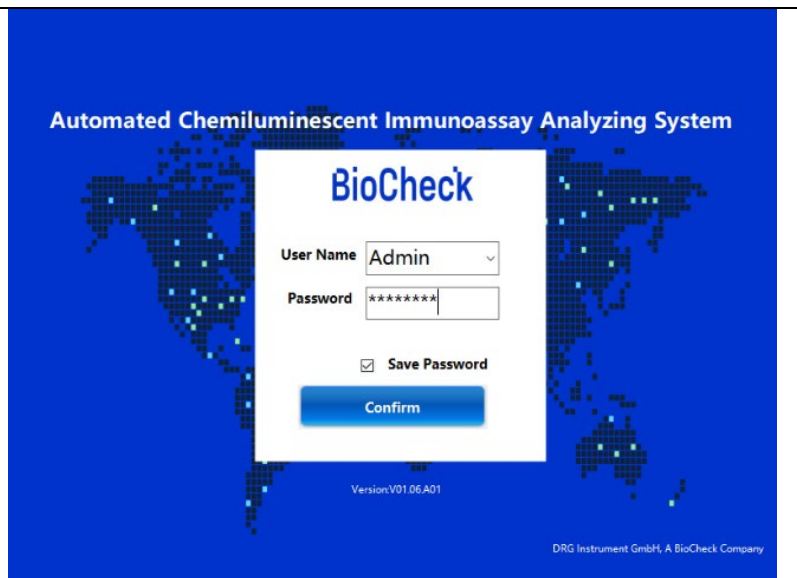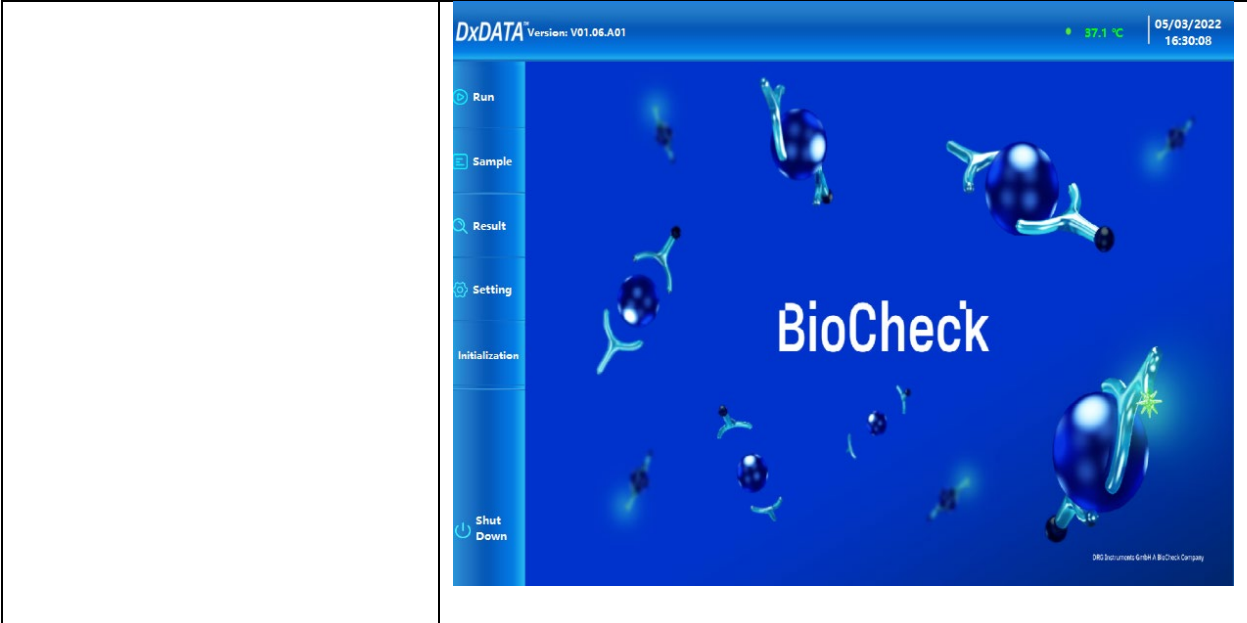
In the Main menu click Setting, then select **Reagent management**.

Select kit's Target on the left bar and click "**Add New Batch**". Make sure that the temperature reaches 37°C for 30 min.

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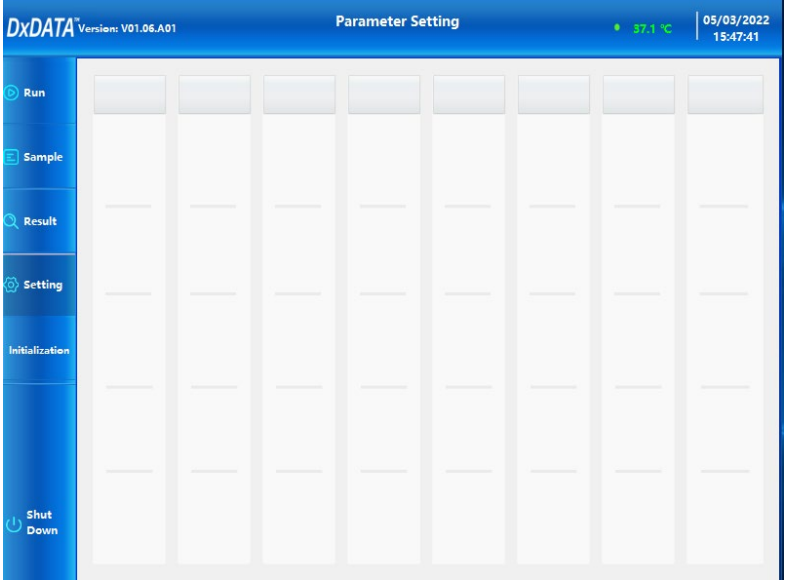
In the Reagent Management window, select the assay you want to calibrate, then click, **"Add New Batch"**

Click Scan QR window and then scan DxDATA™ kit box barcode.
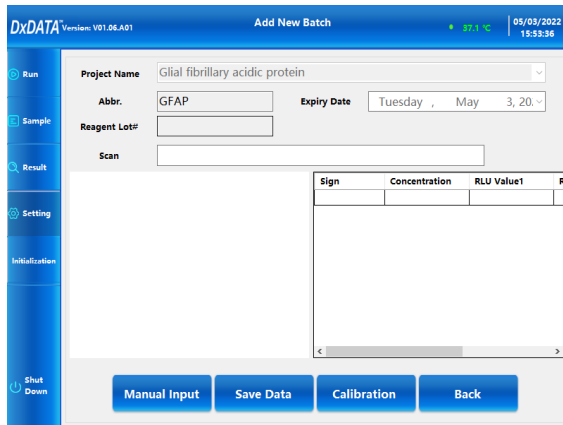
The Scan QR will populate and a plot with three standard curves' RLUs will show up. Click **"Save Data"**.

Sign	Concentration	RLU Value1	R
A	0	3842	31
B	20	13421	10
C	40	24276	15
D	80	46954	38
E	160	90620	78
F	320	168787	14

R=1
$Y = ((708047.312) - (3841.009)) / (1 + ((X) / (624.328))^{(-1.117)}) + (3841.009)$

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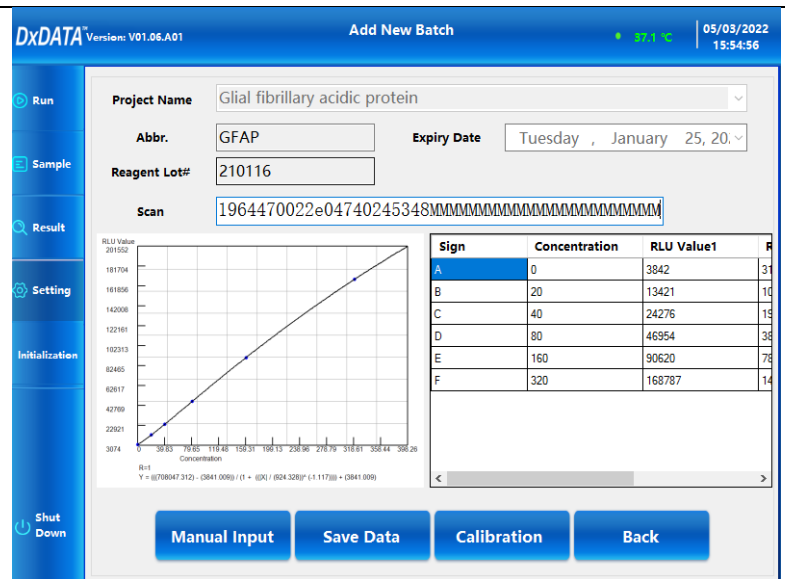
Three Calibration RLU data should popup. Confirm and Save Data. Click **"Calibration"**.	DxDATA Version: V01.06.A01 Add New Batch 37.1 °C 05/03/2022 15:54:56 Project Name: Glial fibrillary acidic protein Abbr.: GFAP Expiry Date: Tuesday , January 25, 20. Reagent Lot#: 210116 Scan: 1964470022e04740245348MMMMMMMMMMMMMMMMMMMMMMMM Sign / Concentration / RLU Value1 A / 0 / 3842 / 31 B / 20 / 13421 / 10 C / 40 / 24276 / 19 D / 80 / 46954 / 38 E / 160 / 90620 / 79 F / 320 / 168787 / 14 R=1 Y = [[(708047.312) - (3841.009)] / (1 + [[[X] / (624.328)]^ (-1.117)]]] + (3841.009) Manual Input Save Data Calibration Back
Load Calibrators 1 and 2 in duplicates, and QC 1 and 2. Then, click **"Run"**.	DxDATA Version: V01.06.A01 Run 37.1 °C 05/03/2022 15:58:17 GFAP / GFAP / GFAP / GFAP / GFAP / GFAP Calibrator / Calibrator / Calibrator / Calibrator / QC product / QC product Cal1 / Cal1 / Cal2 / Cal2 / QC1 / QC2

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If successful, a "Calibration Success" message will appear. Click **"Confirm"**, then "Recalculation".	
Record the concentrations.	

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To view QC, go to Results in the main menu, and click **"Search QC"**.	
Enter date (or range) and Project Name. Then click **"Search"**.	

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Double click on the Testing Date to populate the right window. Record values.

Click "Exit" to come back to the main menu.

Document Revision History

Version #	Date	Description
1	May 17, 2022	Creation of Document

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