

Introduction

Compatible with Software version 1.1.9.1796 and newer



Please note:

The PlexBio 100 Fluorescent Analyzer must be installed by a qualified service engineer before it can be operated.

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Features

- Robust optical imaging system that decodes π Code™ MicroDiscs through fluorescence detection and high-contrast imaging
- Suitable for both molecular and immunoassays
- High-throughput system analyzes 100-200 targets* simultaneously in a single well
- Easy to maintain; no fluidic system thus reducing contamination risk

**varies between assays*

Specifications

Power	100-240V, 50-60Hz
Dimensions	27.3 W x 53 D x 44.1 H (cm)
Weight	25 kg (55.0 lbs)
Operation Environment	15~35 °C, 10~80% RH
π Code Classification Accuracy	$\geq 98\%$
π Code Recognition Precision (CV)	$\leq 2.5\%$
MFI Precision (CV)	$\leq 1.5\%$
Daily Start-up	≤ 15 min
Reading Time	1 well ≤ 50 sec

Refer to user manual for more details

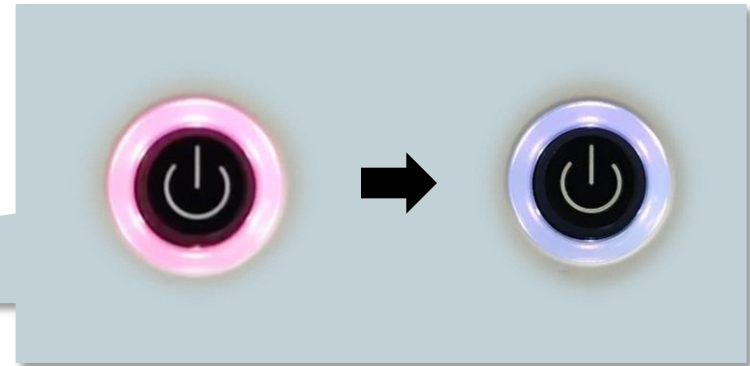
Computer Requirements

Connection to a computer is required to operate the PlexBio 100 Fluorescent Analyzer. A computer is not included with instrument.

Component	Minimum	Recommended
Operation System	Microsoft Windows 7 Professional SP1 64bit	Microsoft Windows 7 Professional SP1 64bit
CPU	Intel core i7	Intel core i7 or above
Main Memory	4 GB DDR2 SDRAM	8 GB DDR2 SDRAM
Hard Drive	500GB 7500RPM SATA HDD	1TB 7500RPM SATA HDD
Port for connection	1 USB and 1 Ethernet port	1 USB and 1 Ethernet port or more
Network:	100MB Ethernet	100MB Ethernet or above
.NET Framework	4.0	4.0 or above
PDF Viewer	Adobe Reader 10.0	Adobe Reader 10.0 or above
Office Tools	-	Microsoft Office Compatible

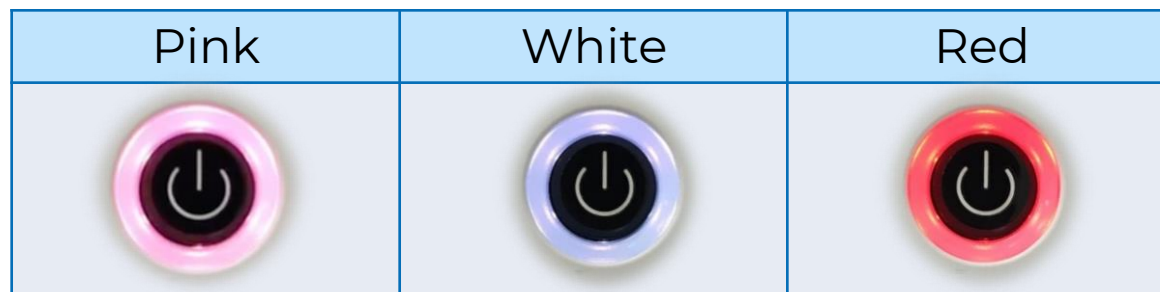


Allow instrument to warm up before use



The indicator light on the power button will change from pink to white once the instrument is ready for use. This process takes about 15 minutes.

Indicator light signals

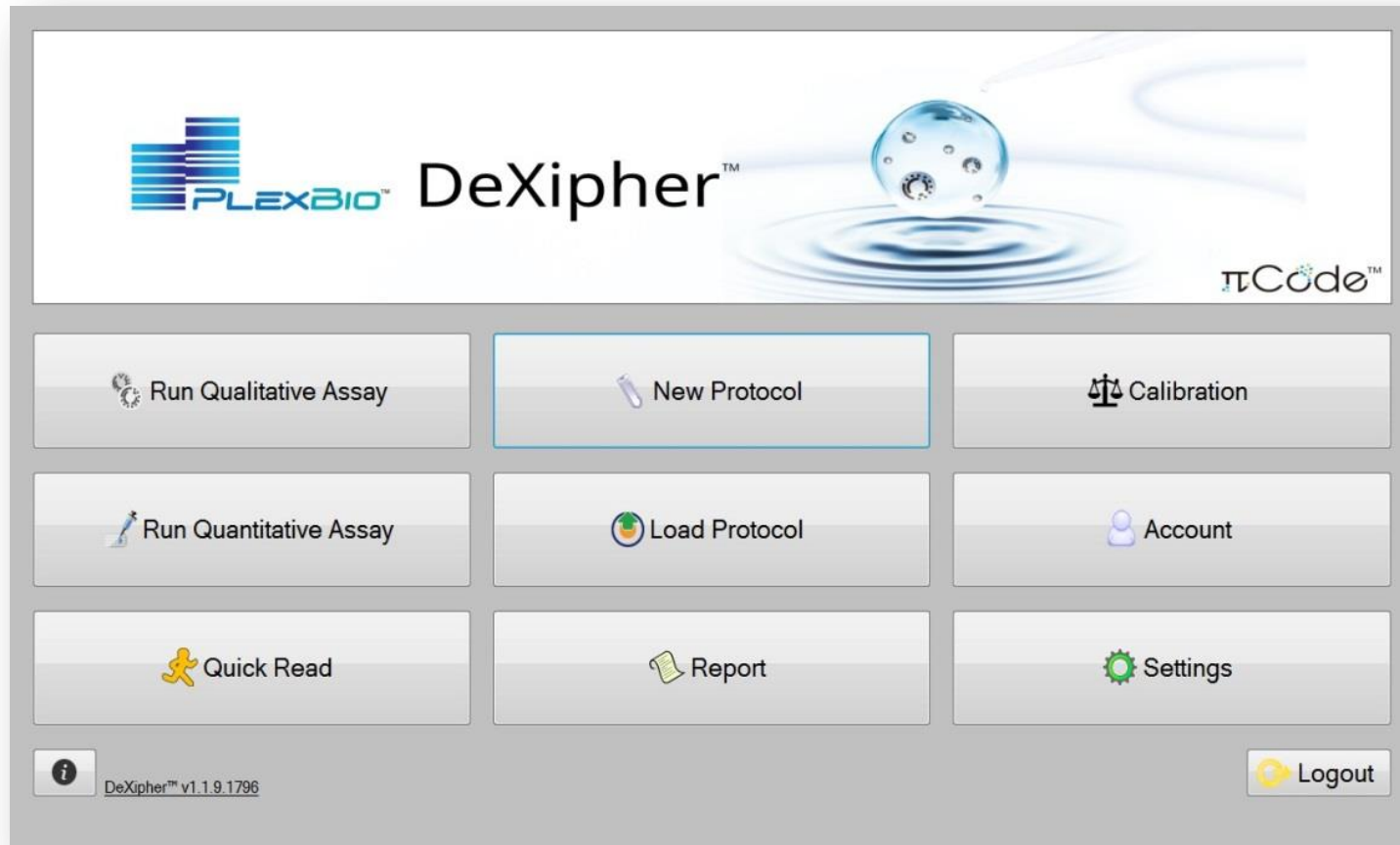


Mode	Signals
Warm up	Steady Pink
Standby / finished reading	Steady White
Reading	Alternating Flashing Pink and White
Lid open before reading	Flashing Pink
Lid open during reading	Alternating Flashing Pink and White with warning message
Error	Flashing Red

DeXipher Login



Functions on home screen



DeXipher Software License Features

Feature	Basic	RUO	MD
Account Management		✓	✓
Quick Read	✓	✓	
Qualitative & Quantitative Assay		✓	✓
Protocol Customization		✓	
Kit Report Generating		✓	✓
Fluorescence Calibration	✓	✓	✓
Electronic Signature & Report Encoding (follow 21 CFR Part 11)			✓

- **Run Qualitative Assay (1)**
(RUO, MD only)
For qualitative assay kits
- **Run Quantitative Assay (2)**
(RUO, MD only)
For quantitative assay kits
- **Quick Read (3)**
Fluorescent signals and π code counts only
 - For user developed assays and assay development
 - Data analysis is not automated



■ New Protocol (4)

(RUO only)

Create a custom quantitative protocol

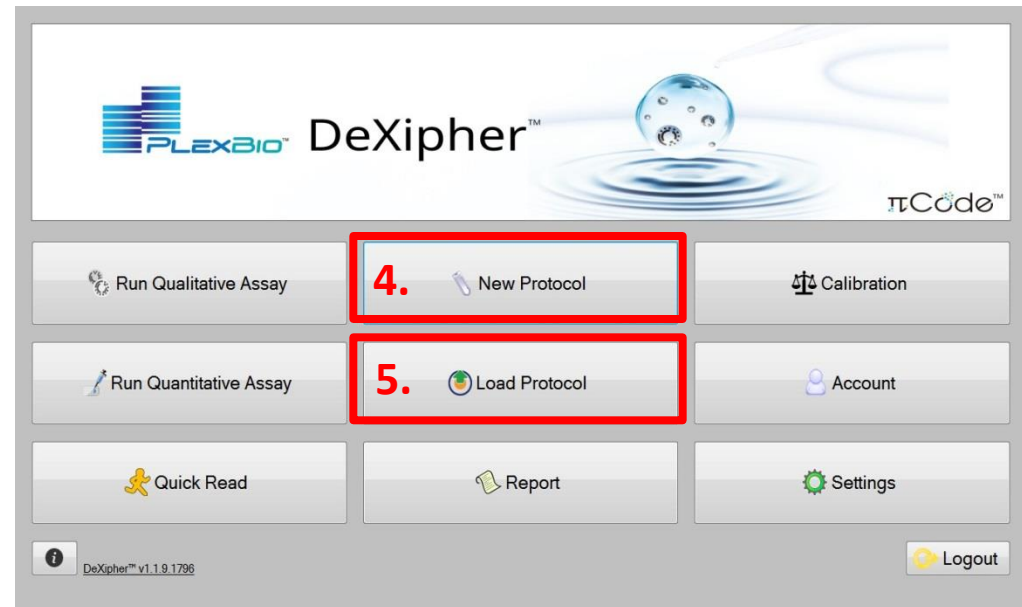
- DeXipher will generate reports according to the criteria you set
- See **A-9_Creating New Protocol** for details

■ Load Protocol (5)

(RUO only)

Utilize your existing custom protocols

- See **A-10_Loading Protocol** for details



■ Report (6)

Access saved results from previous runs

■ Calibration (7)

To perform monthly fluorescence calibration

- See **A-2_Performing Calibration** for details

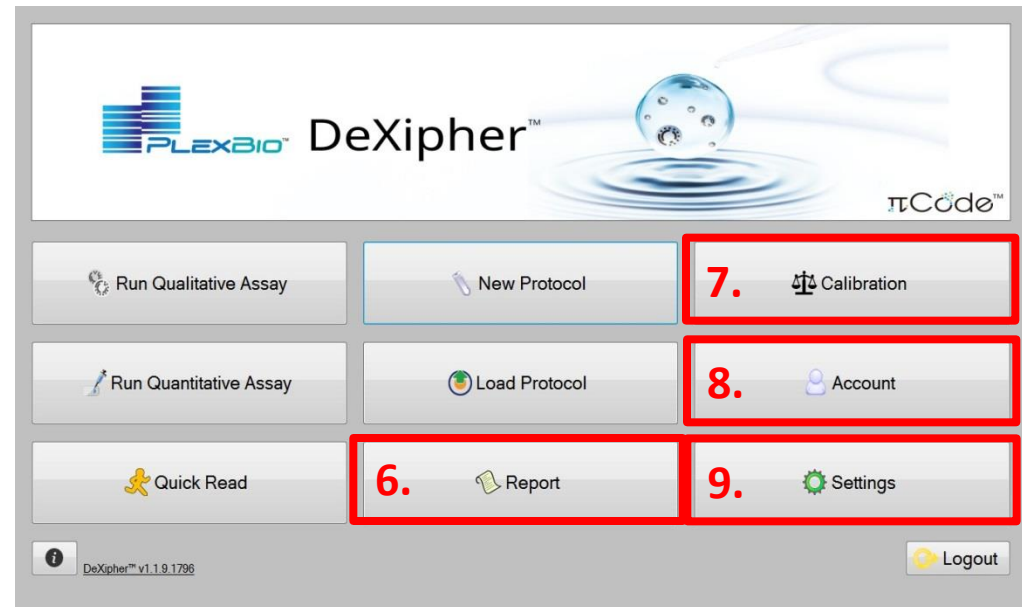
■ Account (8)

(RUO, MD only)

- Manage user accounts
- Modify protocol owner, category, and type

■ Settings (9)

- Language setting
- View and export log data



Thank You

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