



iSED[®] PRO Overview

Consumables, Instrument Overview, and Setup

UNPACKING THE INSTRUMENT

Inspect the shipping container for any obvious signs of mishandling or shipping damage.

If damage is found, retain all package materials, and file a claim with your shipping carrier.



Your trained ALCOR® Scientific technicians or authorized representative will unpack and install instrument.

CONSUMABLES

Test Card

A Test Card is a smart card which contains a **pre-determined quantity of Test Credits**. Test Cards **do not expire** and are available in various denominations to satisfy all testing volumes.

iWASH[®] PRO

The iWASH PRO Wash Solution is required to ensure optimal analyzer performance.

deepCLEAN[®] PRO

The deepCLEAN PRO Cleaning Solution is **required for the Deep Cleaning procedure**, which is important for proper functioning of the analyzer.

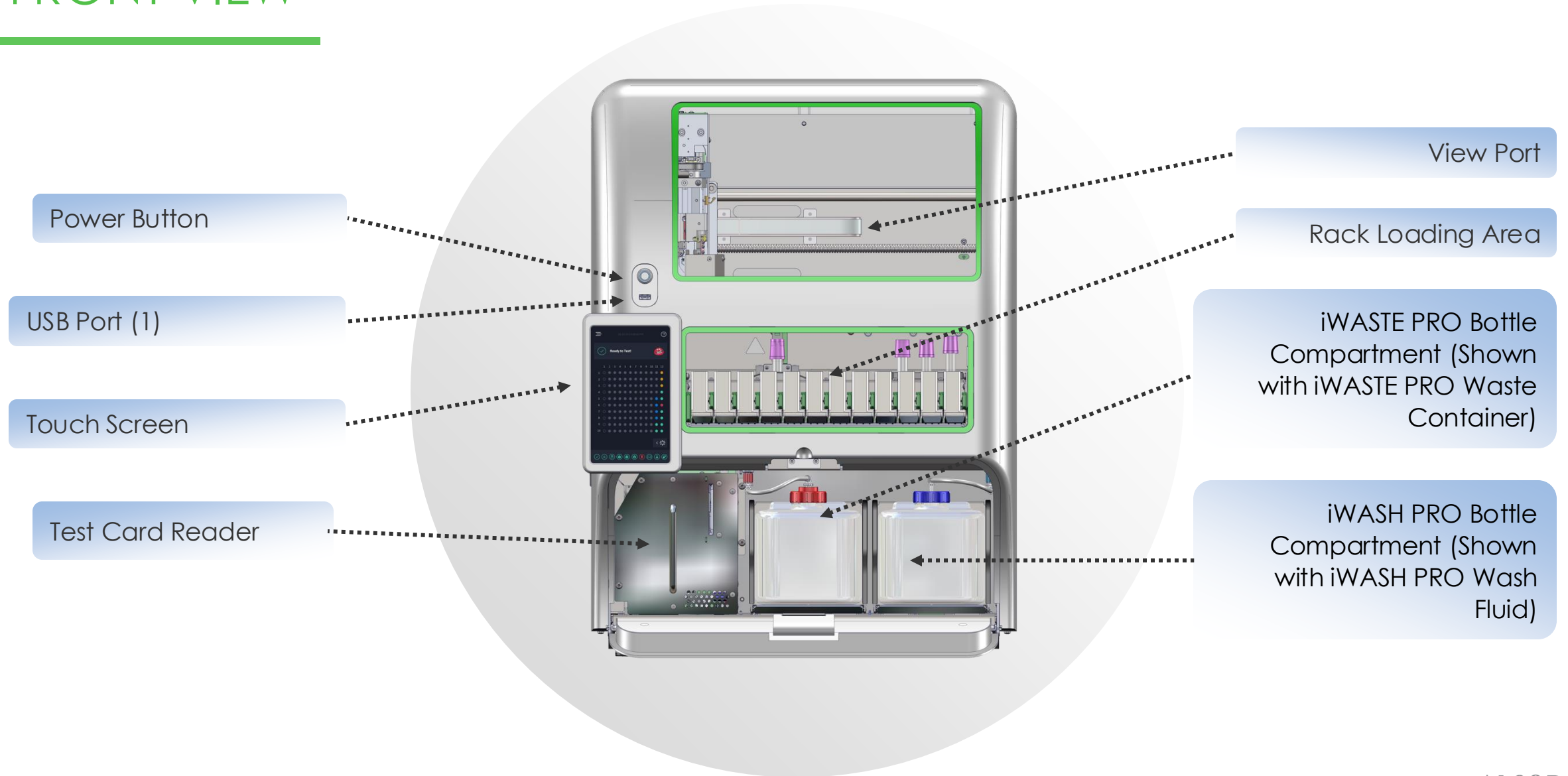
SEDiTROL[®] Quality Control, Levels 1&2

The SEDiTROL Quality Controls are required as the external controls for the analyzer.

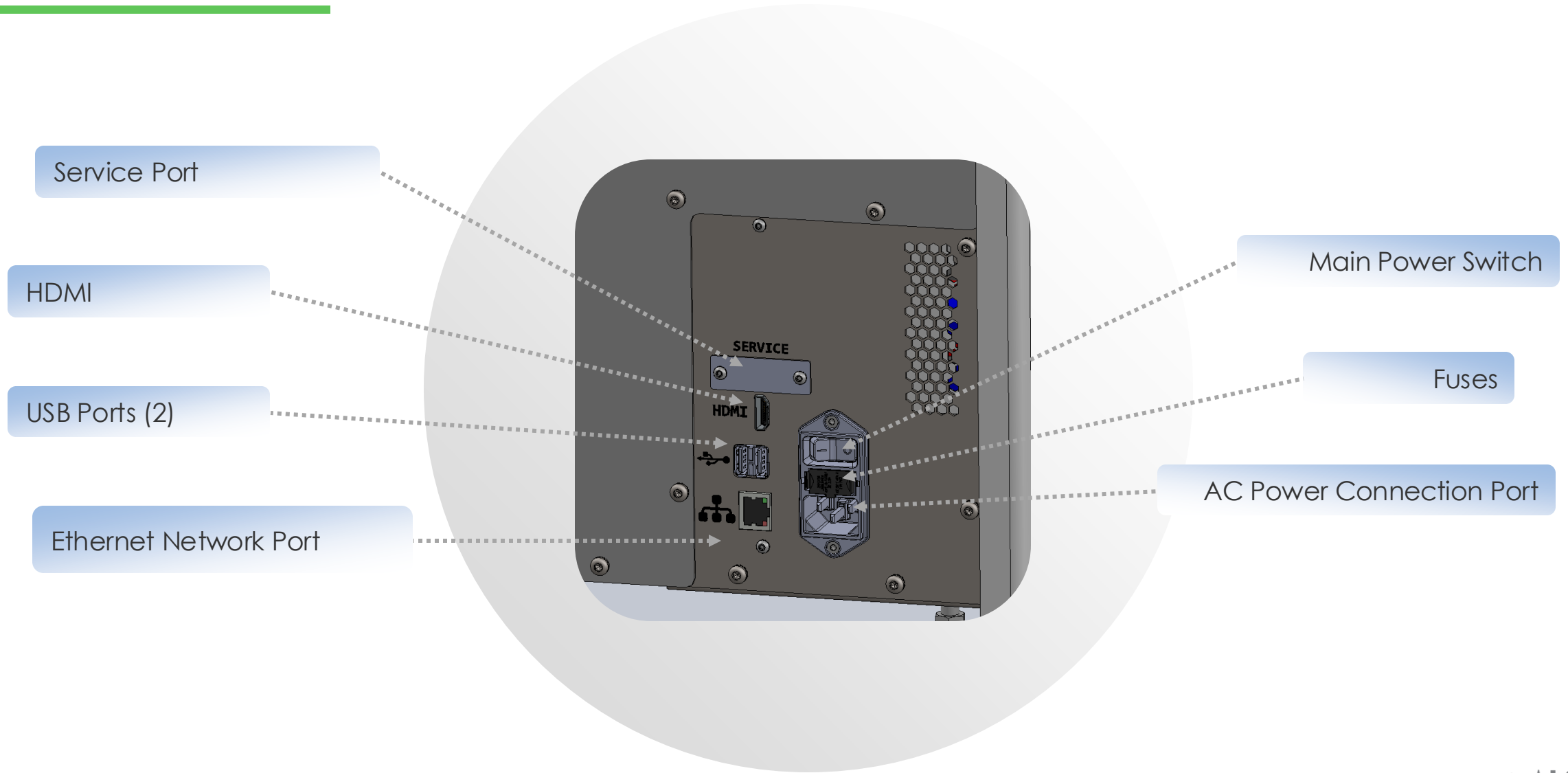
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FRONT VIEW



BACK VIEW



POWER CONNECTION

To power on the unit, set the AC power switch at the rear of the device to the ON ("I") position (Figure 1).

Press the glowing Power Button (Figure 2) located above the Touch Screen on the front of the device.

Note: It is recommended that iSED PRO remain powered on.

Ethernet Connection:

The analyzer is equipped with an RJ-45 Ethernet connector for Factory use and for connection to network-based LIS systems using the LIS2-A2 standard. For more information, refer to document 120-09-006, Communication Protocol.

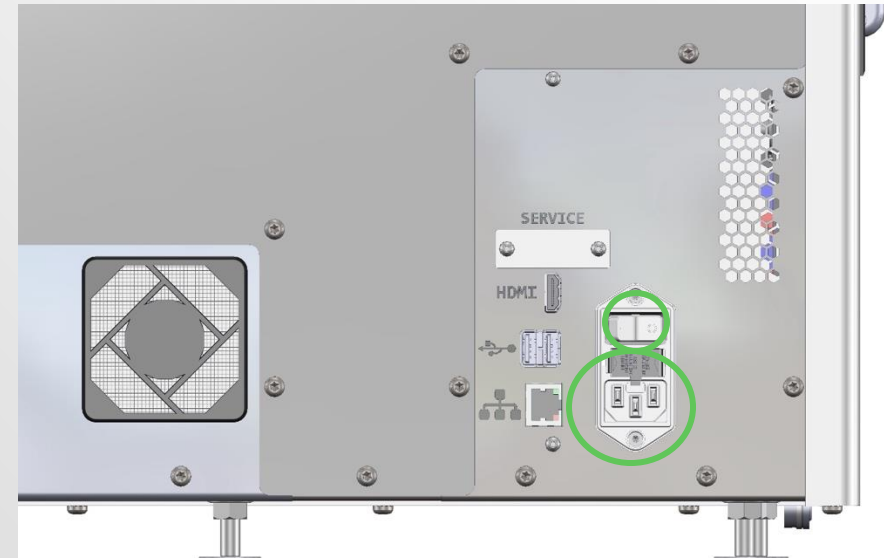


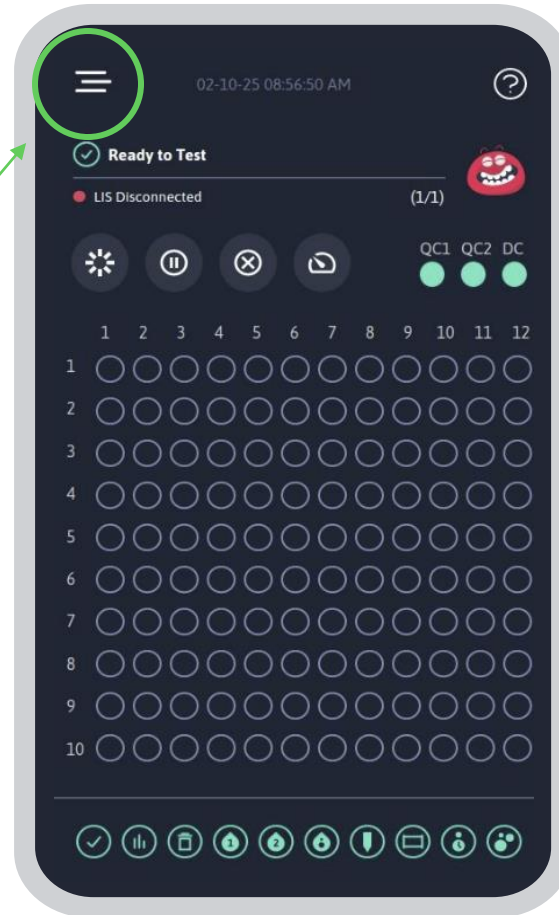
Figure 1



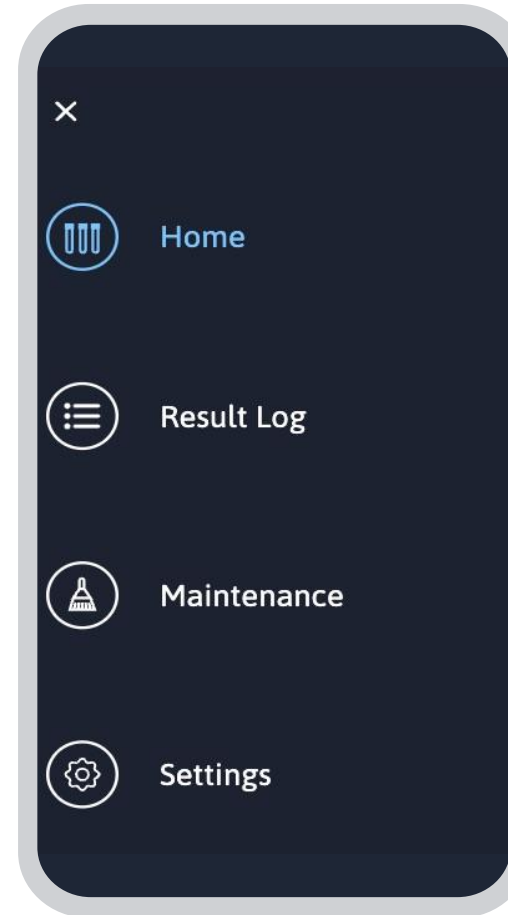
Figure 2

TOUCH SCREEN

Navigate to the Main Menu screen by pressing the symbol in the upper left-hand corner found on many of the menu screens.



Home Screen



Main Menu

From the Main Menu screen, navigation to the Result Log, Maintenance, and Settings Menus can occur.

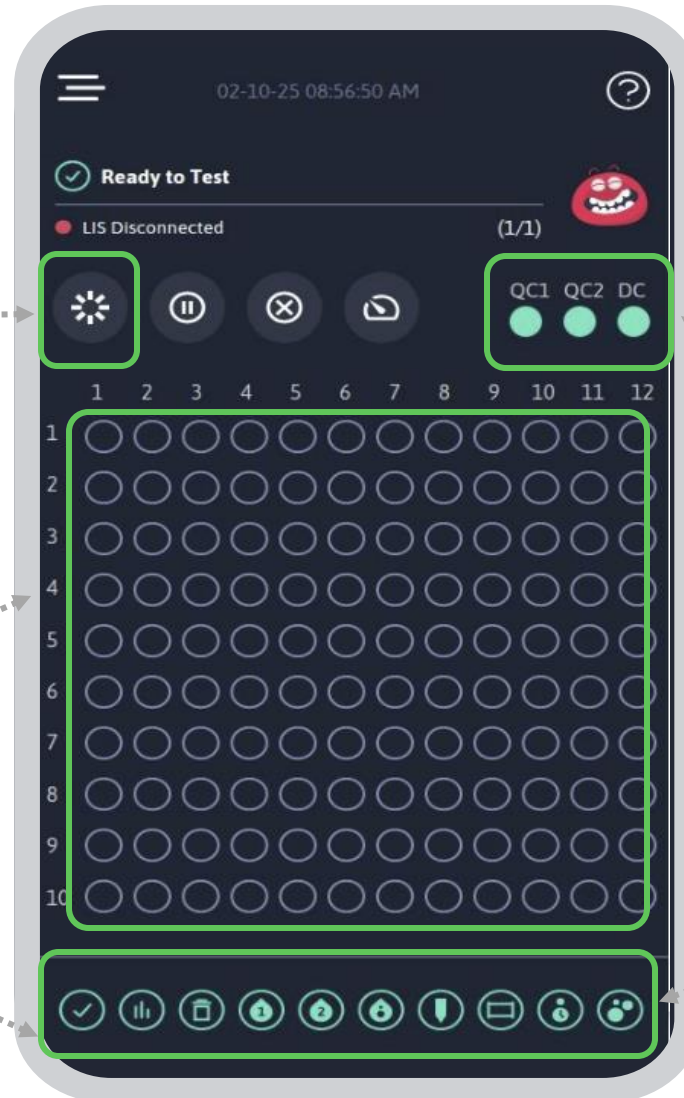
TOUCH SCREEN NAVIGATION

The Home Screen is the primary screen that will be displayed during routine use of the analyzer.

Sample IDs currently queued and loaded in the Mixing Wheel can be viewed by pressing the “wheel” icon at the bottom right of the screen.

Each circle represents a sample position. Touching any of the circles will display information about the sample in that specific position.

The Status Banner displays important information about the status of the analyzer.



Refer to the iSED PRO Instructions for Use for details about specific messages and solutions.

The circles are color coded to show tube status, and the color legend is viewable by tapping the question mark icon at the top right corner of the Home Screen.

Tapping the icon bar at the bottom of the screen will bring up the Maintenance Menu which further details system status.

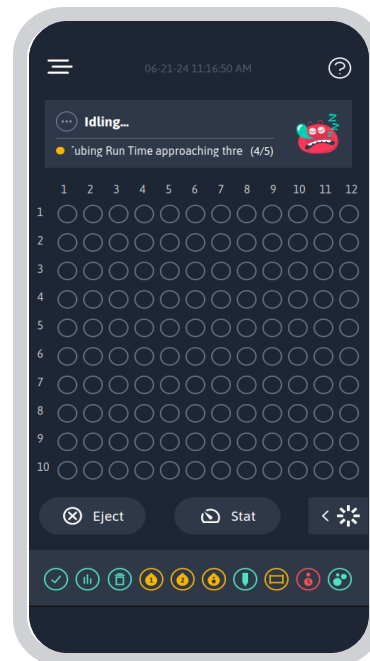
TEST CREDITS

Test Credits are required to operate the analyzer. The instrument is loaded with a predetermined quantity of credits for initial set up and use, however, additional credits in the form of iSED PRO Test Cards must be purchased. Test Credits are downloaded to the analyzer via a pre-loaded Test Card.

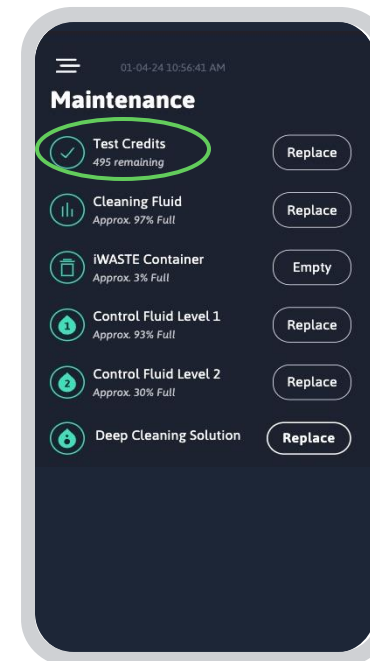
The Home Screen and the Maintenance Menu display the number of Test Credits available.



iSED PRO Test Card



Home Screen



Maintenance Menu

INSTALLING SEDITROL & DEEP CLEAN

iSED PRO requires SEDIROL Controls and deepCLEAN PRO Cleaning Solution to be loaded in the Onboard Consumables Holder.

During installation, the display will prompt loading SEDIROL Level 1, SEDIROL Level 2, and deepCLEAN PRO. Select 'Load Solutions.'

A new screen will appear; select each solution (SEDIROL Level 1, SEDIROL Level 2, and deepCLEAN) then select 'Continue.'

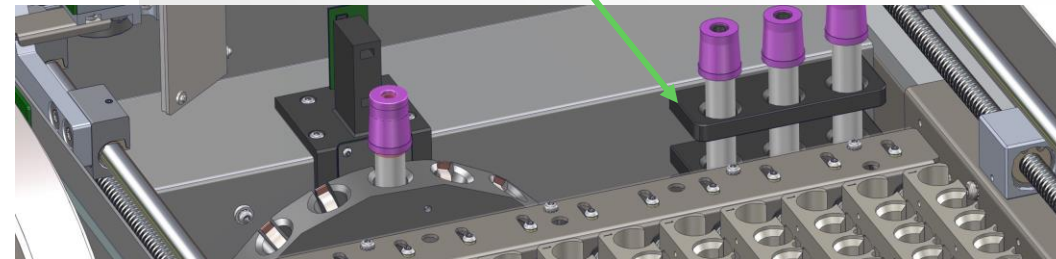
Place the 2 levels of SEDIROL and deepCLEAN PRO into one of the sample racks and insert into any unoccupied Rack Lane.

iSED PRO will then initialize scanning each tube. After scanning the tube, iSED PRO will recognize the material and transfer the tubes to the **Onboard Consumables Holder** within the instrument.

The QC schedule will be programmed at initial setup and can be changed later via the General Settings Menu.

NEVER attempt to load the Onboard Consumables Holder manually.

Onboard Consumables Holder



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Your iSED Pro must be loaded with the following solutions to function properly

- 1 Onboard SEDITROL Level 1
- 2 Onboard SEDITROL Level 2
- 3 Onboard deepCLEAN Solution

Load Solutions

Continue



Select one or more solutions to replace

Onboard SEDITROL Level 1

Onboard SEDITROL Level 2

Onboard deepCLEAN Solution

Continue

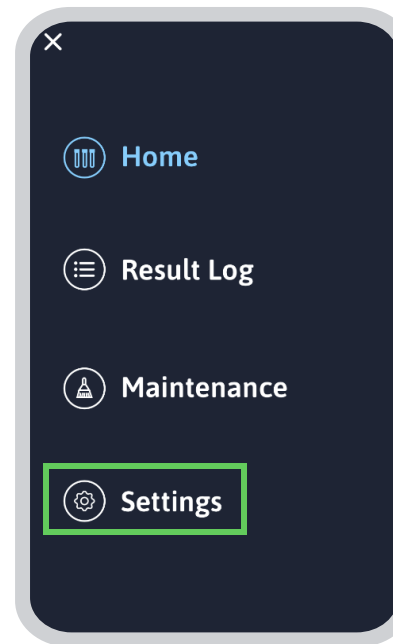
RESTRICTED ACCESS

The Settings Menu provides access to functions to customize the operation of the iSED PRO for your laboratory environment. Using the guided Setup process when the instrument is first turned on will preconfigure some of the typical settings at the time of device installation. Subsequent access to configuration settings are enabled via an Admin PIN. **WARNING: Keep the Admin PIN in a secure location. Contact ALCOR Scientific Technical Support if it becomes lost. Disabling the requirement for Admin PIN entry increases risk of unauthorized access to configuration settings.**

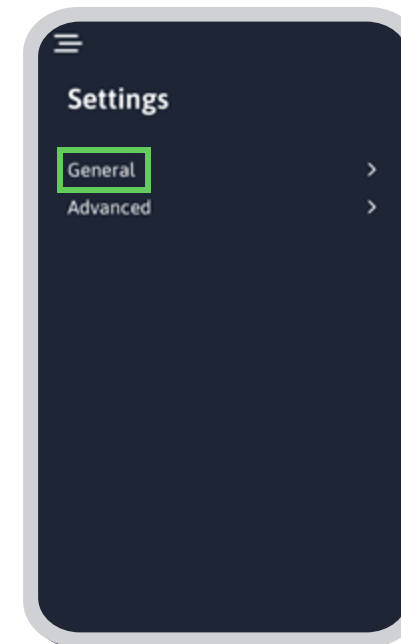
General Settings - accessible to the user via an Admin PIN (2404)

1. From the Main Menu, select Settings / General.
2. When prompted for the Admin PIN type 2404.
3. Protection of General Settings can be disabled by selecting the Access option. Toggle OFF the PIN.

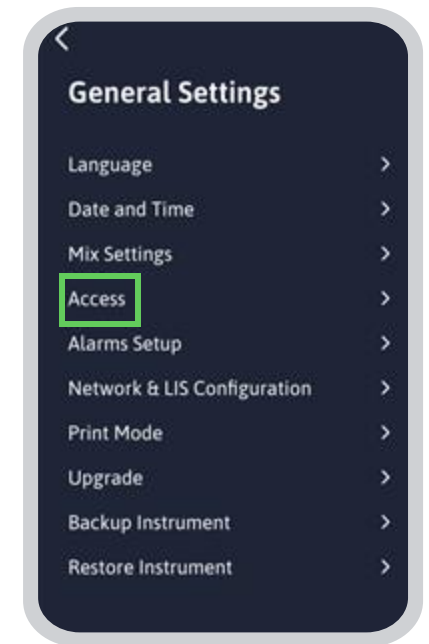
Advanced Settings sub-menu provides the user “Read-only” status of various operational sensors and device settings. **The Advanced Settings level is only accessible to ALCOR Scientific technicians or authorized service personnel.**



Main Menu



Settings Menu



General Settings
Sub-Menu

RECOMMENDED WORKFLOW MODE

Workflow modes can be chosen by the lab administrator during initial setup. All modes will store sample, SEDIROL, and Proficiency Test results in the Results Log for future review.



Bidirectional LIS Mode (**Recommended**)

1. This is the **default mode**, and an LIS connection is required. Refer to [document 120-09-006, Communication Protocol](#), for details on setting up an LIS connection.
2. iSED PRO will scan the sample barcode ID and query the LIS server to determine if ESR is required.
 - a. If **no** ESR test is required, the sample tube will be returned to its original Rack Position.
 - b. If an ESR test **is required**, the sample will be moved to the Mixing Wheel and the sample will be measured.



OTHER WORKFLOW MODES



Unidirectional LIS Mode

In this mode, iSED PRO will perform an ESR test on every sample **without** querying the LIS for an order. ESR results will be sent to the LIS server.



LIS Disabled Mode

In this mode, iSED PRO will pick up, scan, **and measure** all samples on each rack and will not send results to the LIS Server. ESR results will be stored on the internal memory of the analyzer and can be reviewed via the Results Log screen on the Touch Screen.

All modes:

Results can be exported via USB port.

Unidirectional and LIS Disabled Modes:

User can enable setting which allows non-barcoded samples to be processed. In this mode, if a tube cannot be scanned, the specimen will be auto-assigned an identifier and queued for measurement.

THANK YOU!



ALCOR Scientific LLC
20 Thurber Boulevard
Smithfield, RI 02917

Technical Support
(800) 495-5270 (USA Only)
+1 (401) 737-3774

M-F 8:30am-5:00pm EST
(except US holidays)
techservice@alcorscientific.com