



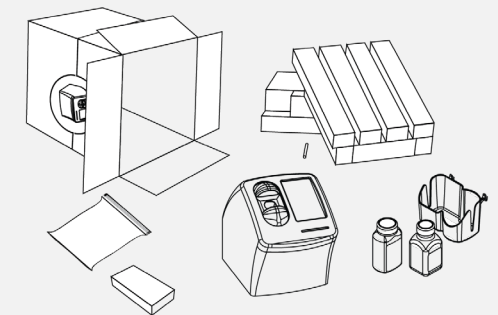
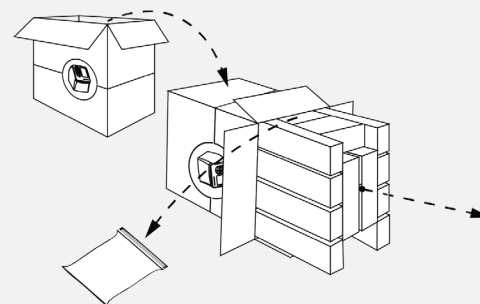
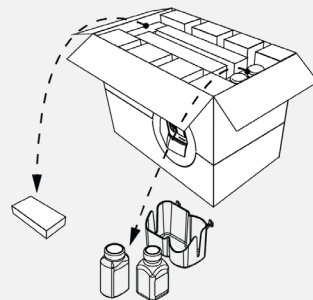
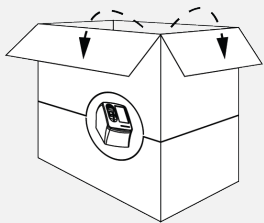
miniiSED® INSTALLATION & SETUP

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 immediately file a claim with your shipping carrier.

1. Position the box upright and open the top flaps.
2. Remove the **Power Supply, miniiWASH® and miniiWASTE® Bottles, and Bottle Tray** and set aside.
3. Rotate the box on its side. Slowly slide the instrument and surrounding foam out of the box using the **brown tube** found between the foam panels.
4. Remove the **Accessory Bag** and set aside.
5. Remove the foam panels from the sides of the instrument.
6. Place the instrument on a **secure, flat surface** and remove the instrument from the protective bag. **Save the box and foam pieces for future use!**



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.

miniiWASH

The miniiWASH wash solution is **required** to ensure the analyzer's ESR reading performance.

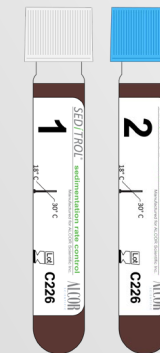
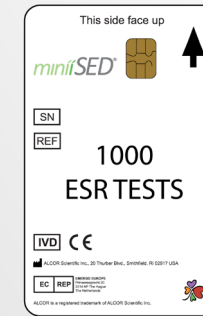
SEDiTROL® Quality Control, Levels 1&2

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

deepCLEAN® Cleaning Solution (optional)

The deepCLEAN cleaning solution is used for the Deep Cleaning procedure, which is important for proper functioning of the analyzer.

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FRONT VIEW

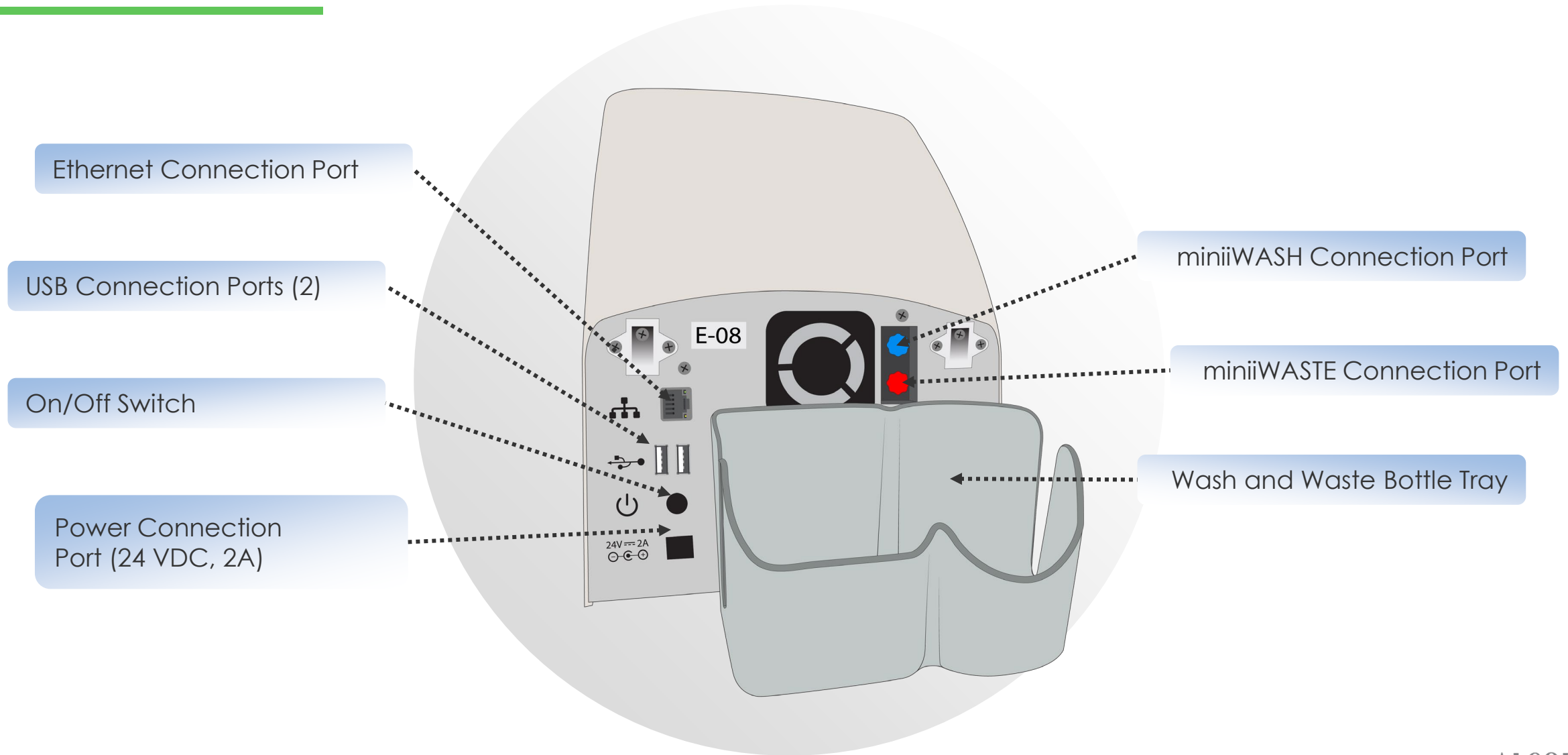
Sample Loading Port



Touch Screen Display

Test Card Reader

BACK VIEW



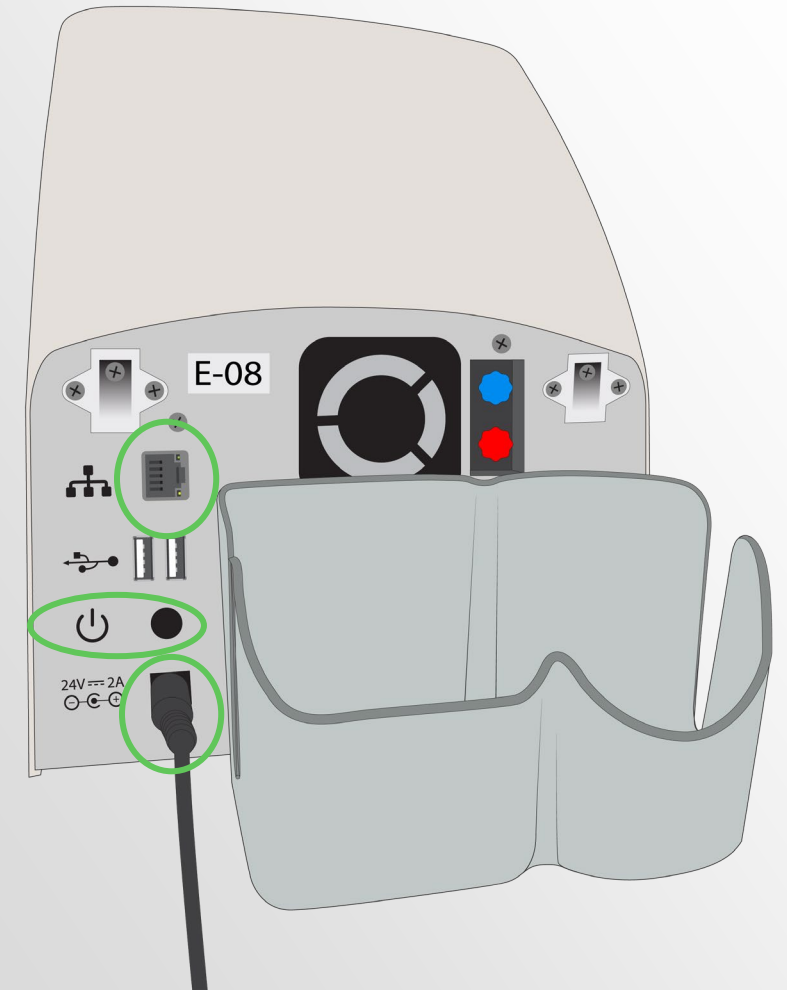
POWER CONNECTION

1. Connect the Power Cord to the Power Supply.
2. Connect the Power Supply to the Power Connection Port located on the **back** of the miniSED.
3. Place the instrument in its **permanent operating** location and plug the Power Cord into a standard outlet.
4. Turn the miniSED on using the **On/Off** switch located on the back of the instrument.

Once the power button has been pressed, the instrument will produce an **audible beep**, after which the instrument is non-functional while the operating system boots up. *(This initializing process takes about 10-15 seconds.)*

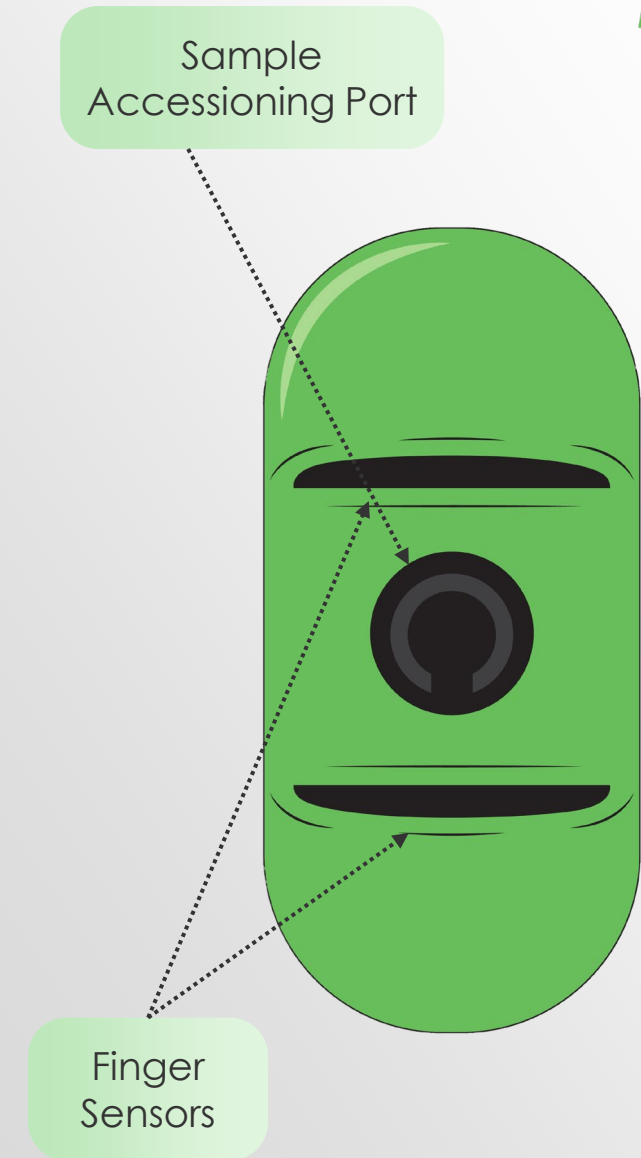
Ethernet Connection:

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 1017-09-018, *Communication Protocol*.

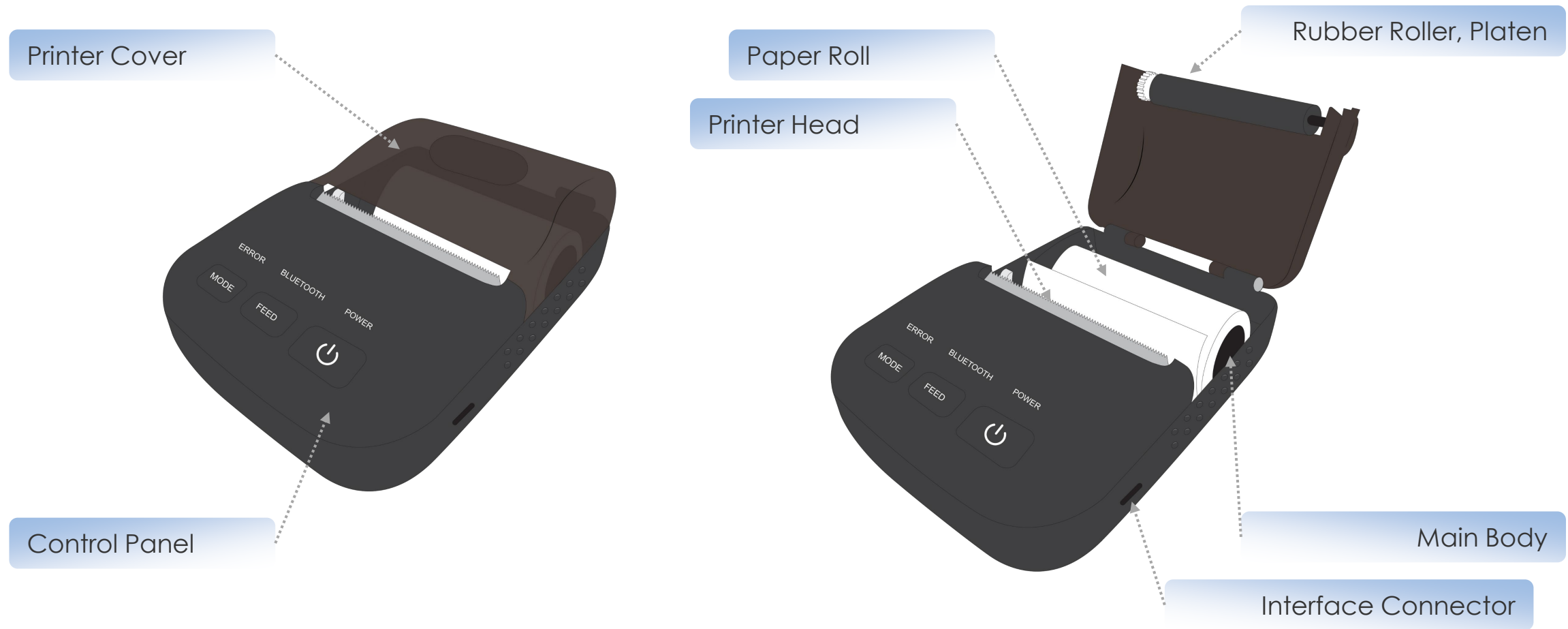


FINGER SENSOR SAFETY

- During the sample loading process, the operator may inadvertently invoke the Finger Sensor Safety feature.
- The sample accessioning port is a very sensitive area. If you put an object, or your fingers, there while the system is running, the analyzer will stop for your protection.
- If this is suspected, simply remove the sample and fingers from the sample accessioning port and START OVER.



OPTIONAL EXTERNAL PRINTER



EXTERNAL PRINTER

The ALCOR® External Printer is an **optional accessory** for the miniSED analyzer for printing a hard copy of test results.

To install external printer:

1. Insert the battery in the cavity on printer bottom. Press the battery until it clicks.
2. The power LED is red when the battery is charging and turns green when fully charged.
3. Connect the data cable provided inside the printer box and connect to the data port on the printer.
4. Connect the other end of the USB connection point on the back of the miniSED.
5. After power is on, press and hold the FEED Button, printer feeds paper the desired length; then release and paper feeding will stop.
6. To perform a self-test press and hold the FEED button (in the control panel), press the power button, then release the FEED button and self-test receipt will print out.



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miniiWASH BOTTLE CONNECTION

To install the miniiWASH bottle:

Attach the **Bottle Tray** to the back of the miniiSED.

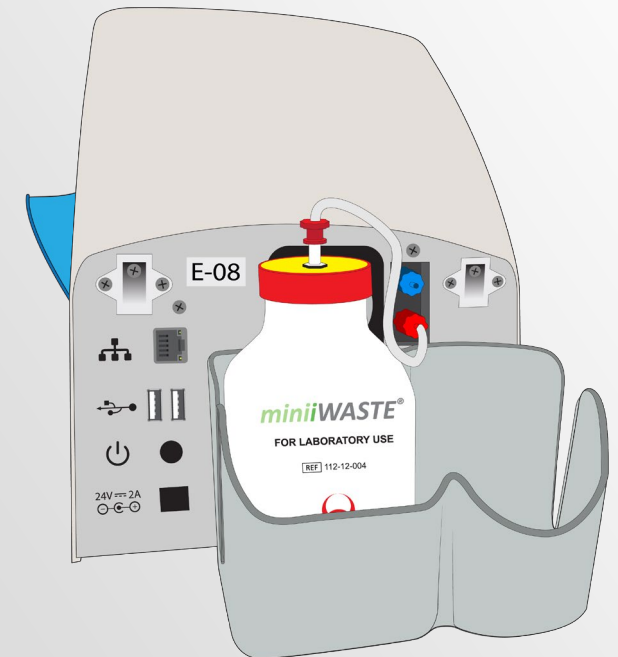
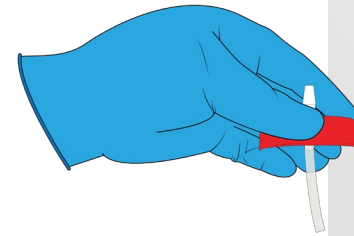
1. Connect the non-connector end of the miniiWASH connection tube (has white connector at the other end) to the blue miniiWASH Connection Port on the back of the miniiSED.
2. Connect the other end of the miniiWASH connection tube to the miniiWASH bottle by replacing the original cap with the miniiWASH bottle weighted cap supplied. **Do not discard the special, weighted wash bottle caps!**
3. Place connected bottle into the Bottle Tray.



miniiWASTE BOTTLE CONNECTION

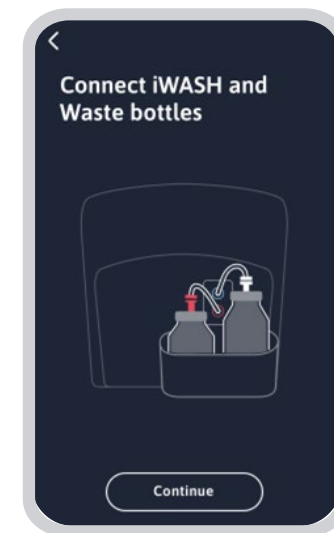
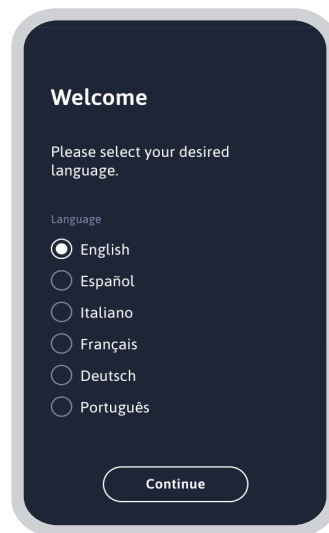
To install the miniiWASTE bottle:

1. Connect the non-connector end of the miniiWASTE connection tube (has **red** connector at other end) to the **red** miniiWASTE Connection Port on the back of the miniiSED.
2. Connect the other end of the miniiWASTE connection tube to the miniiWASTE bottle by **replacing the original cap** with the miniiWASTE Bottle Cap supplied.
3. Place the **connected** bottle into the Bottle Tray.



INITIAL SET UP

The instrument will recognize when it is being powered up for the first time and will guide the user through the initial set up process of **selecting a language and inputting the date**. Once set up is complete, the analyzer is ready for operation.



To select desired language:

1. From the welcome screen, select desired language.
2. Select continue to proceed to the next screen.

Wash and Waste bottles:

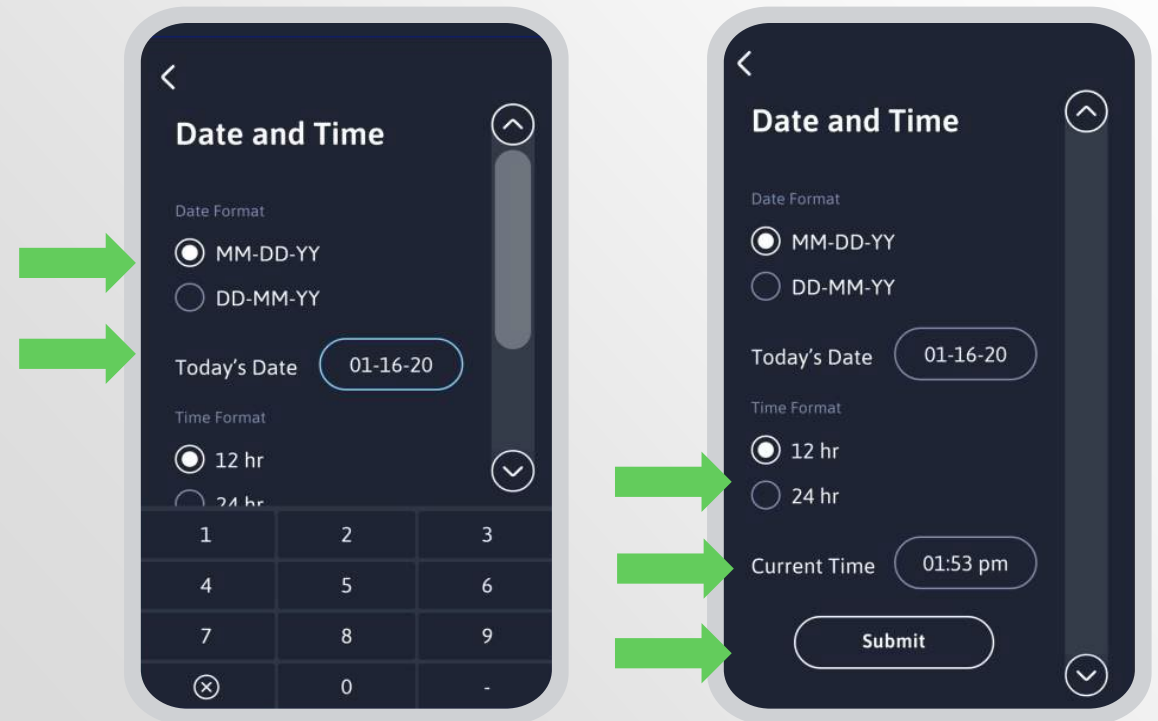
1. After selecting language, verify that the miniiWASH and miniiWASTE bottles are connected.
2. Select continue to confirm.

PROGRAM DATE & TIME

After confirming the bottles are properly connected, the miniSED will prompt to set the date and time format.



To program the date and time

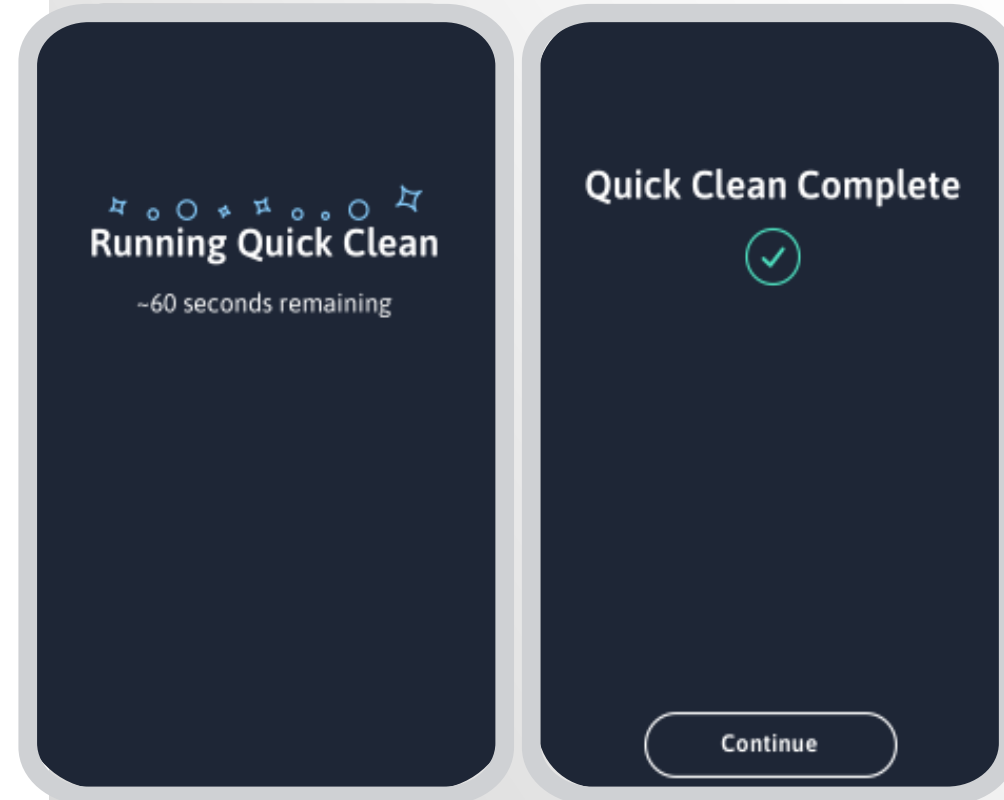
1. Select the desired **date format**.
2. Enter **day** information using the keyboard.
3. Select the desired **time format**.
4. Enter hour and minute information using the keyboard.
5. To proceed, select **submit**.



INITIAL QUICK CLEAN

After entering the date and time, the miniiSED initiates a **quick clean**.

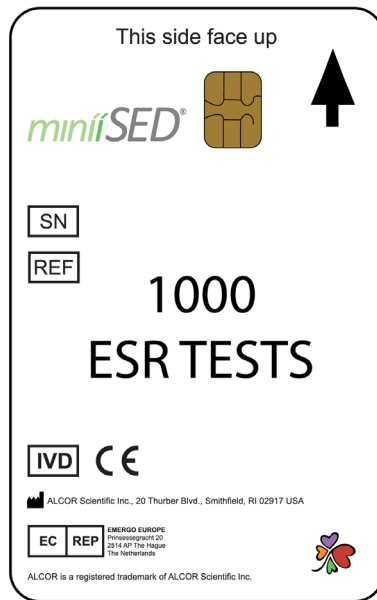
1. The miniiSED will initiate a 30-60 second quick clean.
2. Once the **quick clean is complete**, select the  icon.
3. The  Home screen will appear.
4. The miniiSED is **now ready** for operation.



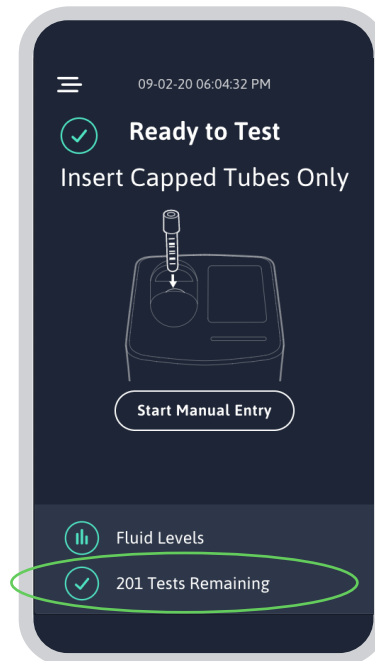
TEST CARDS and CREDITS

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 Test Cards must be purchased. Test Credits are downloaded to the analyzer via a pre-loaded Test Card.

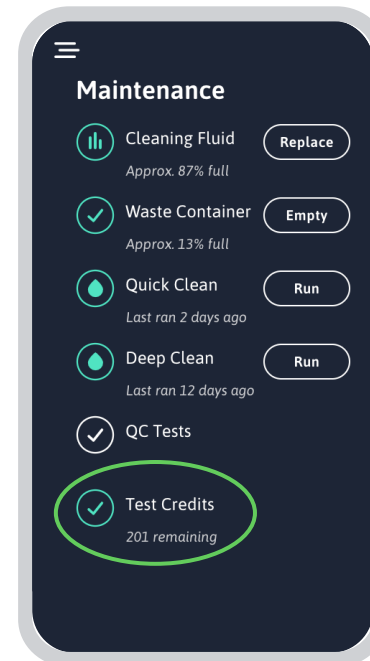
The Home Screen and the Maintenance Menu display the number of Test Credits available.



Test Card



Home Screen




Maintenance Menu

ADDING TEST CREDITS

To add credits to the instrument the user must insert a Test Card into the Test Card Reader.

To download Test Credits:

1. Insert your Test Card into the Test Card Reader with the arrow facing forward.
2. Select  to transfer all the available credits to the instrument.
3. Test Credits are added to the analyzer and the new total of available tests will display on the screen.
4. Remove the empty Test Card and discard; **the Test Card cannot be reused.**



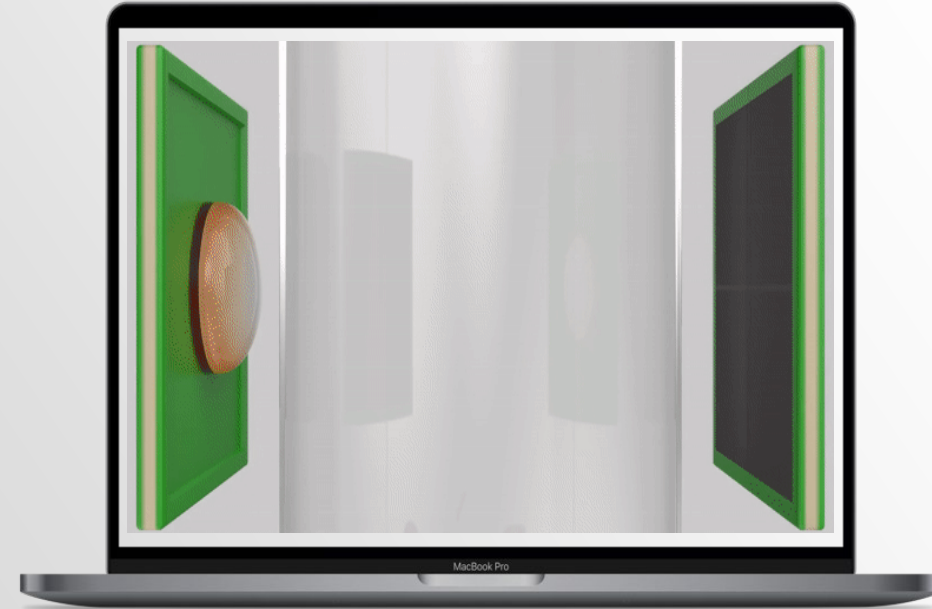
ONBOARD MIXING

If the laboratory workflow permits, the **onboard mixing option** of the miniSED ensures consistent and standardized mixing of every patient sample.

Please refer to the miniSED Onboard Mixing Protocol, Document #1017-28-007.

Mixing is an essential preanalytical step to ensure the accuracy of the ESR result.

In order for aggregation to be read by the analyzer, the RBCs must first be disaggregated. This requires a standardized and automated method for a minimum of 3 minutes; **hand mixing is NOT a supported practice with ALCOR Scientific analyzers.**



RBCs must be fully disaggregated to ensure accurate results

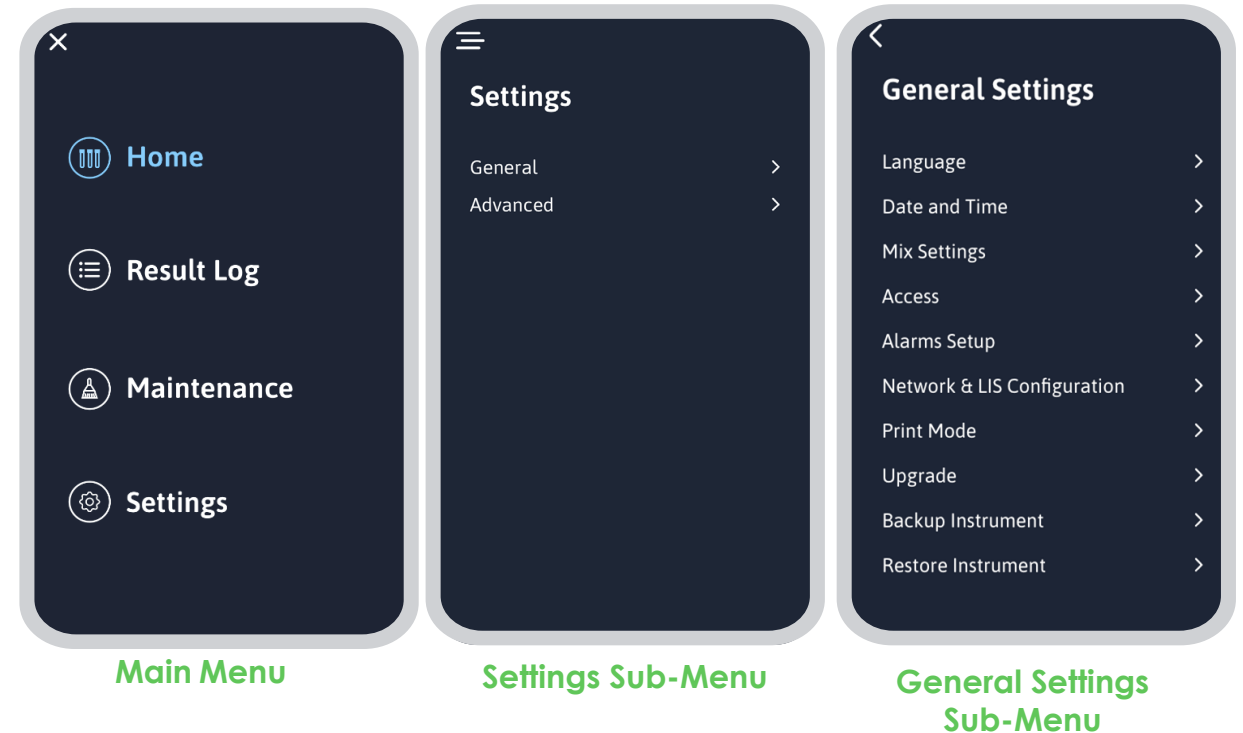
RESTRICTED ACCESS

The Settings sub-menu provides access to functions to customize the operation of the miniSED 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 (1710)

1. From the Main Menu, select Settings / General.
2. When prompted for the Admin PIN type **1710**.
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.**



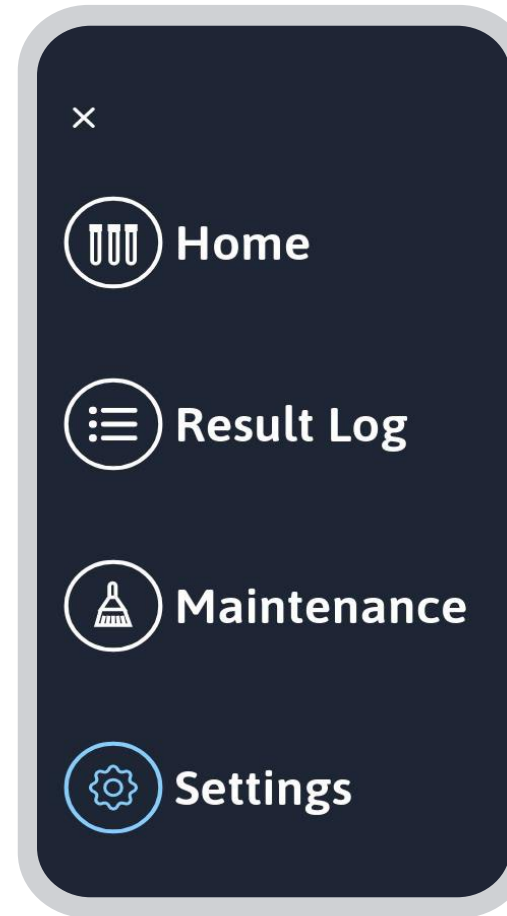
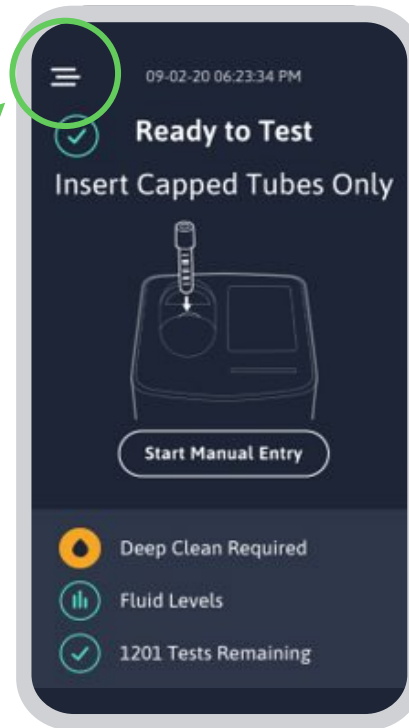
Main Menu

Settings Sub-Menu

General Settings Sub-Menu

MAIN MENU

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



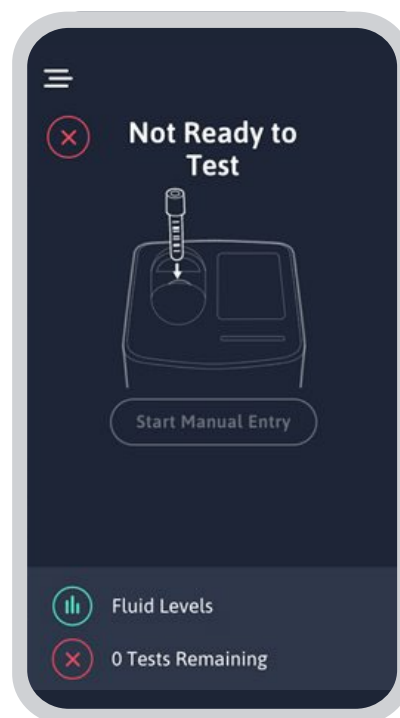
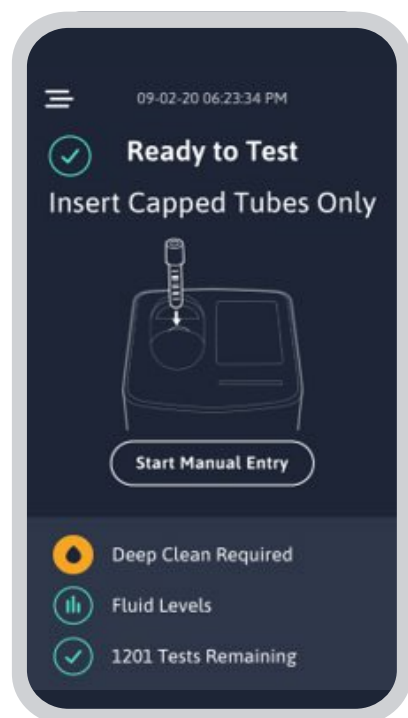
Main Menu

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

STATUS WINDOW

The status window at the top of the home screen conveys information regarding the status of the analyzer.

Examples of different miniSED status windows



Refer to the miniSED Operator's Manual for details about specific messages and solutions.

THANK YOU!



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