



**ALCOR**  
SCIENTIFIC

## ISED GENERAL INFORMATION

Parts identification and Touch Screen

# SAMPLE REQUIREMENTS

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- Sample volume

The sample volume required to perform ESR on the iSED is 100µL

- Routine tubes: Total Minimum Volume = Up to 500µL\*
- Pediatric tubes: Total Minimum Volume = Up to 350µL\*

*\*Total Minimum Volume includes Testing Volume + Dead Volume, which varies slightly by tube type.*

- Sample type

- Whole blood K3-EDTA or K2 EDTA anti-coagulant tube gently mixed at collection to avoid clots, other aggregates and hemolysis (DO NOT MIX VIGOROUSLY)

- Sample temperature and stability

- Test within 4 hours from venipuncture at room temperature or within 24 hours refrigerated
- Sample must be brought to room temperature for at least fifteen (15) minutes (if refrigerated)



# TUBE REQUIREMENTS

The iSED is compatible with all standard, 13 x 75mm EDTA (lavender top) tubes with a pierceable cap.

**Do not use if the tube stopper is missing. Use only tightly capped samples!**

The table below shows a few of the common tubes in use.

Refer to the [iSED Operator's Manual](#) or the [Alcor Diagnostic Analyzers Blood Collection Tube Compatibility Chart](#) for the list of validated tubes and their specifications.

Mfg. Part Number	Model	Manufacturer	Volume (mL)	EDTA	Material
367862	Vacutainer	BD	4.0	K2	Plastic
367861	Vacutainer	BD	4.0	K2	Plastic
363706	Microtainer - MAP	BD	0.5	K2	Plastic
450547	MiniCollect	Greiner	.25/.5	K2	Plastic

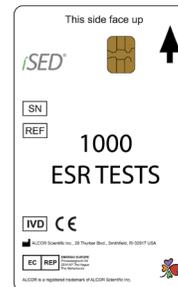


# CRITICAL CONSUMABLES

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## 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

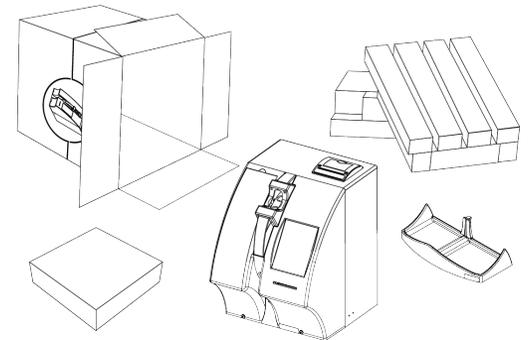
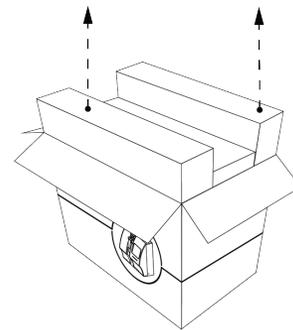
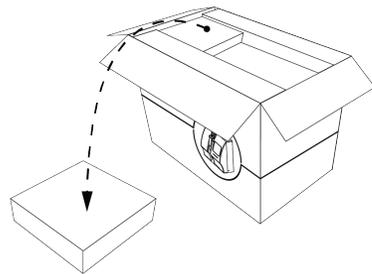
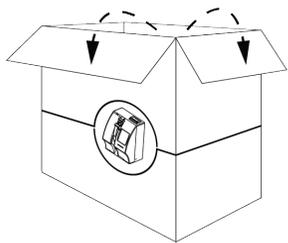
The iWASH cleansing agent is required to monitor and ensure the analyzer's ESR reading performance.



# UNPACKING THE INSTRUMENT

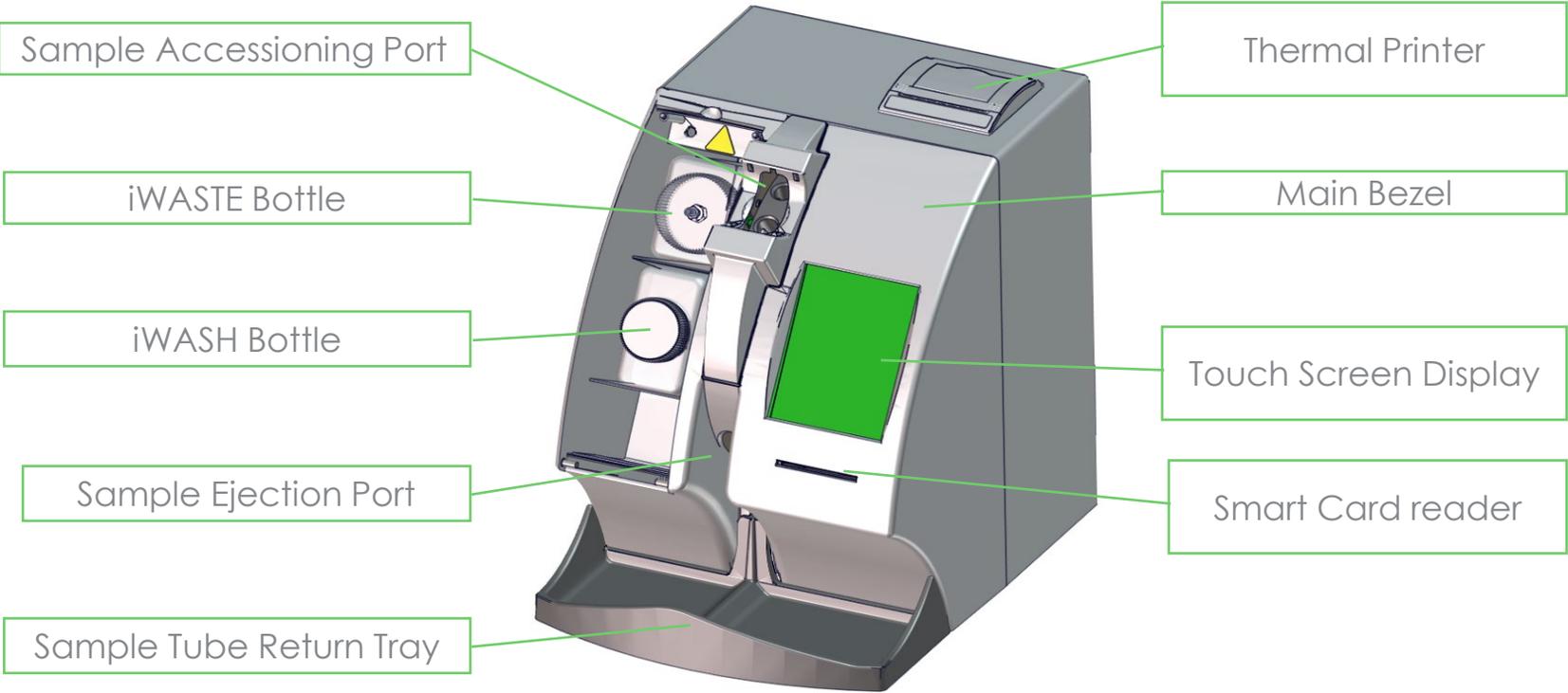
Inspect the shipping container for any obvious signs of mishandling or shipping damage. If damage is found, retain all package materials and immediately file a claim with your shipping carrier.

1. Position the box upright and open the top flaps
2. Remove the **Accessory Box** and set aside
3. Keep the box upright. Slowly slide the instrument and surrounding foam out of the box
4. Remove the **Tube Return Tray** 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!**

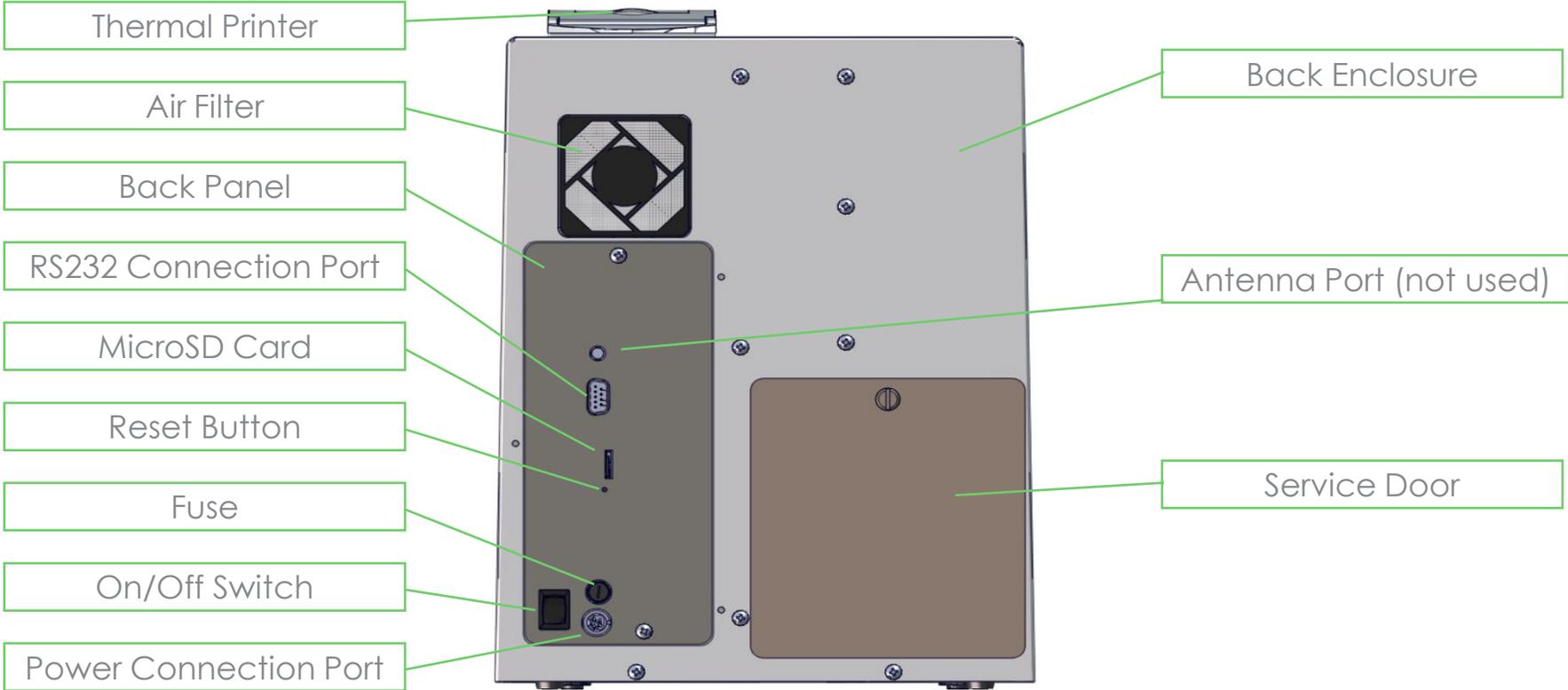


# FRONT VIEW

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# BACK VIEW



# FINGER SENSOR SAFETY

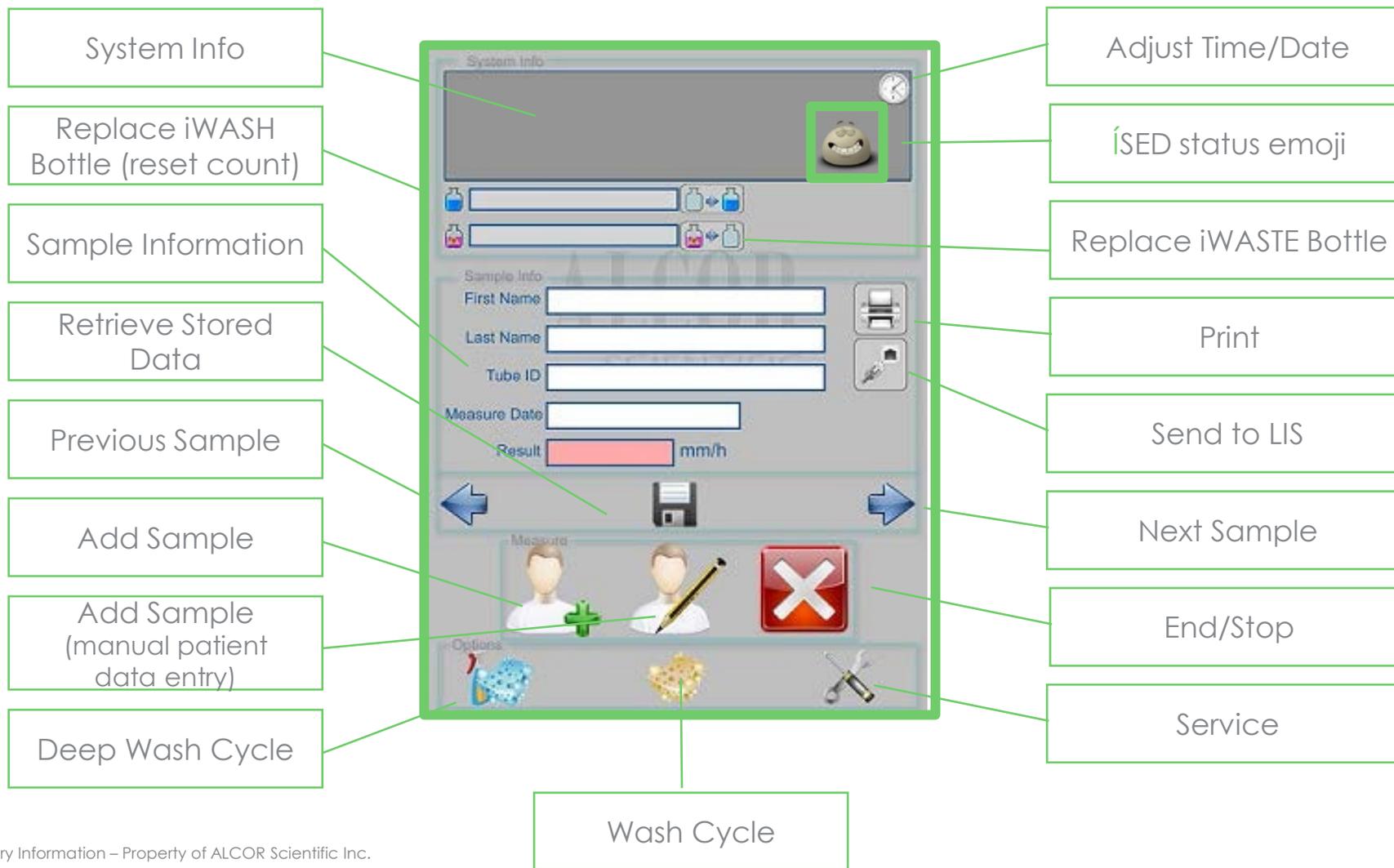
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- The sample accessioning port is a very sensitive area. If you put an object there while the wheel is spinning, the wheel will stop for your protection.
- During the sample loading process, the operator may inadvertently invoke the Finger Sensor Safety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



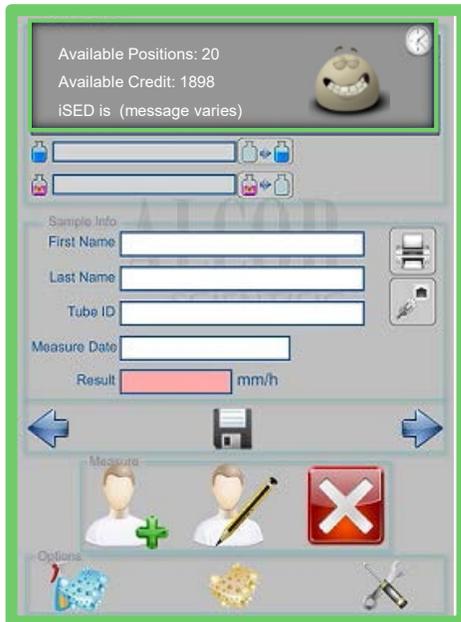
# TOUCH SCREEN

All instrument functions can be accessed using the touch screen. The labels identify all icons and their function when pressed.



# STATUS SCREEN

The status screen displays useful information to the operator including available positions, available credits, and analyzer status – active, warning and idle – which is represented by an emoji with a corresponding expression.



**Active Status**  
Normal operation



**Warning/Error Status**  
Instrument needs action



**Idle Status**  
All scheduled testing complete

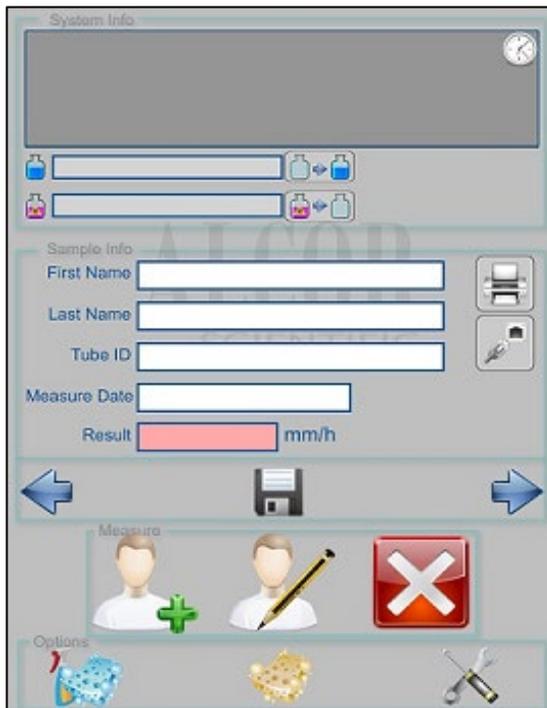
Refer to the iSED Operator's Manual: System Status, Error Codes and Warning Messages for details about specific messages and solutions.



# TOUCH SCREEN MENUS

The iSED uses a touch screen Graphical User Interface where all programming can be done by selecting or inputting data on the following screens:

## Home Screen



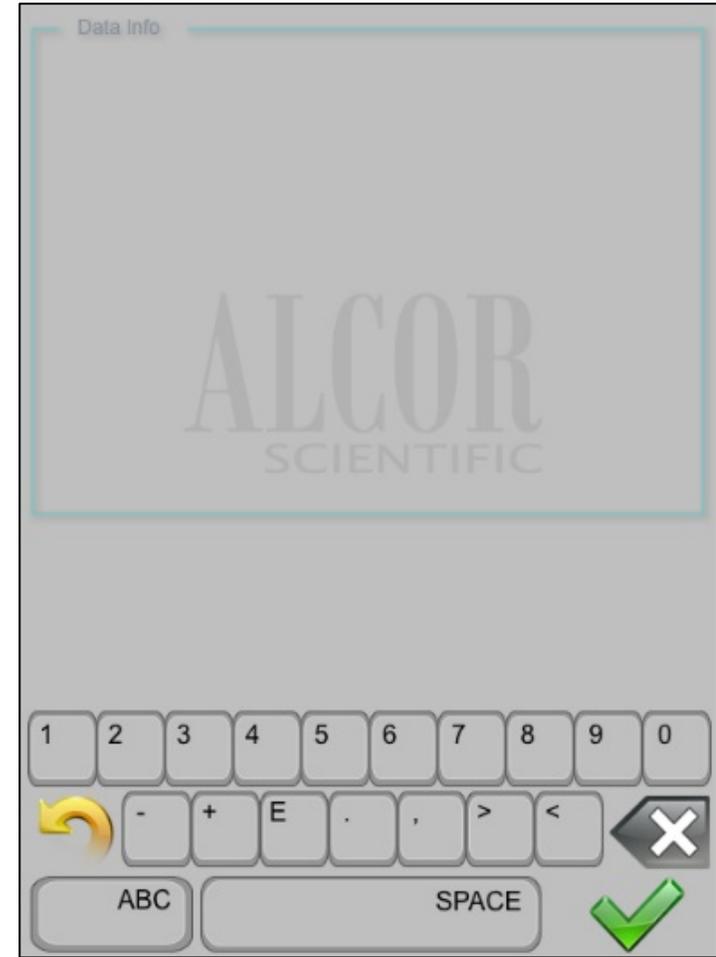
## Alphanumeric Keyboard Menu



# PROGRAM DATE & TIME

## To program the date and time:

1. From the home screen, touch the  located in the top right corner of the System Info frame
2. Keyboard will appear prompting the operator to input month data using the numerical equivalent (i.e. 5 for the month of May)
3. Enter month information and select 
4. Enter day information and select 
5. Enter year information and select 
6. Enter hour information and select 
7. Enter minute information and select 
8. To proceed, select 



# THANK YOU!

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