ALCOR
SCIENTIFIC

ISED SAMPLE PROCESSING

Analyzer Operational Training

CONTINUOUS OPERATION MODE

It is always recommended that the instrument remain on and ready for use. Should the instrument need to be powered off for any reason, run a wash cycle prior to powering off the unit.

The instrument is programmed to perform self-cleaning after being idle for fifteen (15) minutes following the last sample tested. The process takes approximately one (1) minute and utilizes approximately 4.5mL of iWASH for each wash cycle. Once completed, testing can resume as normal.

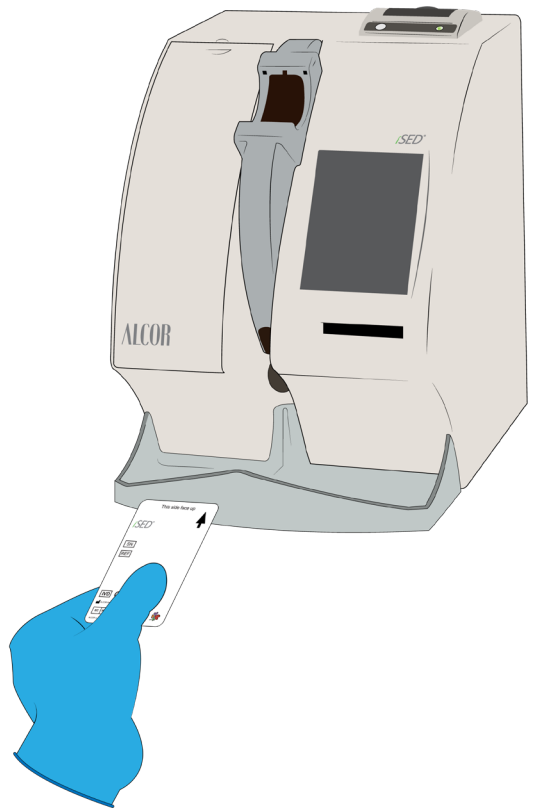
ADDING TEST CREDITS

Test credits are required to operate the analyzer. Test credits are downloaded to the analyzer via a pre-loaded test card.

To download test credits:

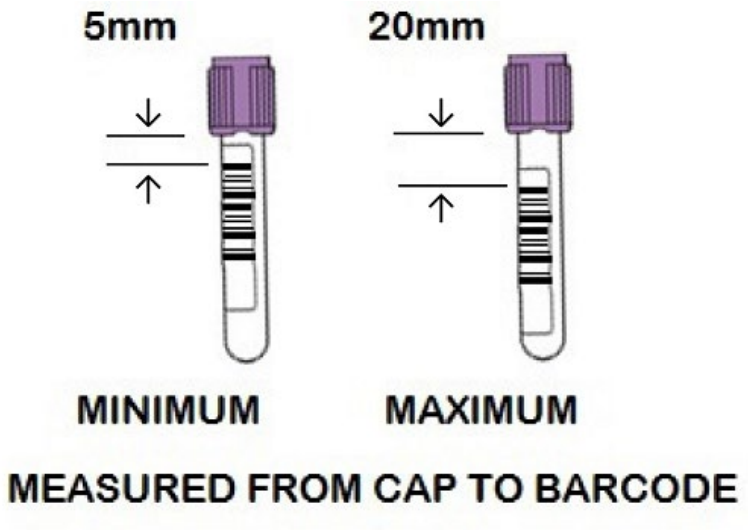
1. Insert your test card into the test card reader with the arrow facing forward and the chip facing up
2. Test credits will automatically be added to the analyzer, and the new total of available tests will display on the screen
3. Remove the empty test card and discard; **the test card cannot be reused**

Test credits never expire! Whether loaded on the analyzer or still contained in the Test Card, there is no time limit for you to use available Test Credits.



PATIENT IDENTIFICATION

Patient samples are read and identified by the internal barcode reader automatically as they are loaded into the instrument. All common laboratory barcodes are supported, including Code 39, UPC and Code 93 formats.



When patient identification cannot be read by the internal barcode reader or if there is no barcode present the operator may enter data manually.

PROCESS BARCODED SAMPLES

To process barcoded samples:

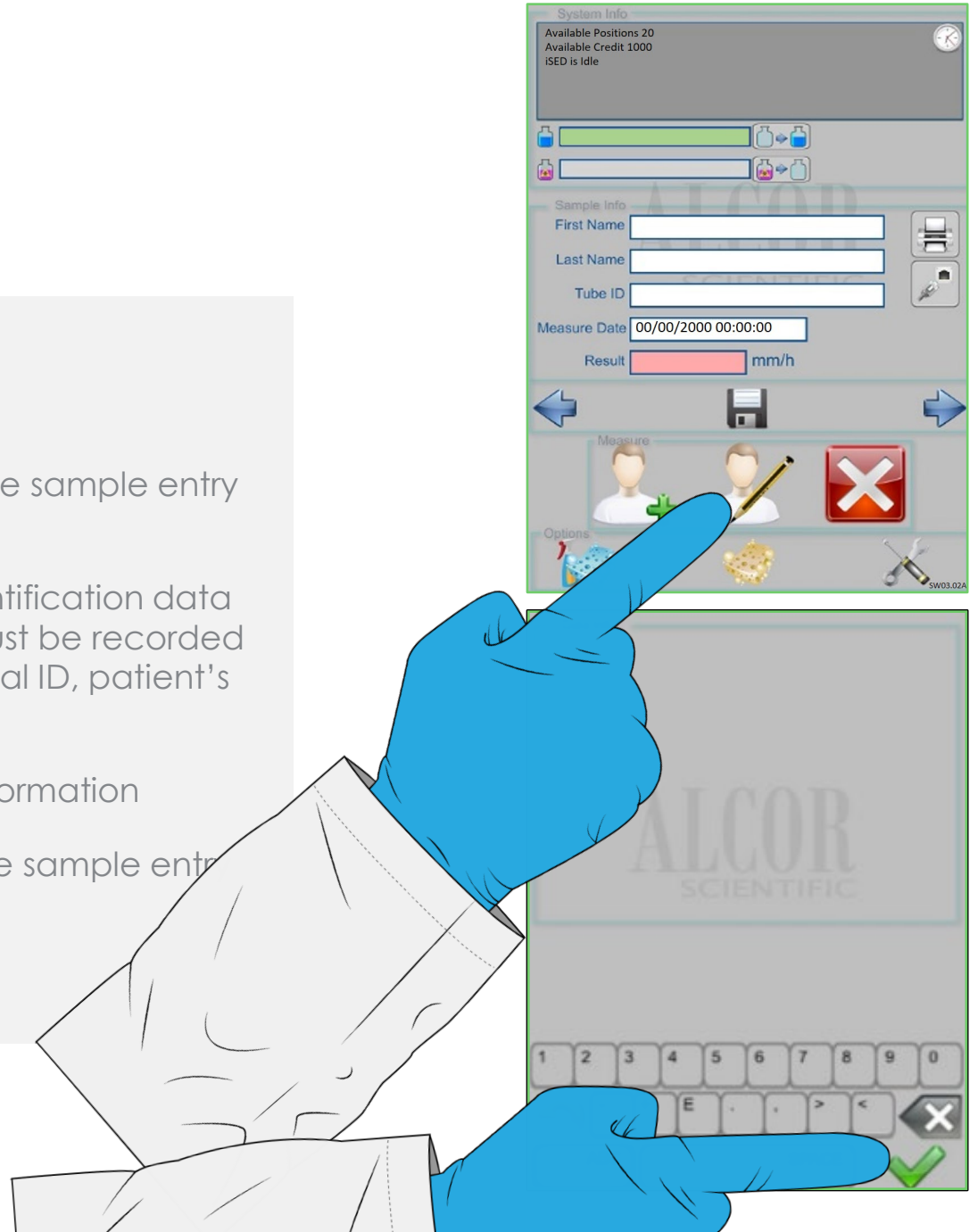
1. Touch the  icon
2. The sample wheel rotates to position the next open slot at the sample entry port *(the onscreen information bar will report 'waiting for sample' and the instrument will beep quietly for five (5) seconds. As the five (5) second window draws to a close, the beeping will become faster.)*
3. Insert the barcoded tube with the barcode oriented to the right. A red light will illuminate, and distinctive beep will sound when the barcode is successfully recognized
4. Repeat steps 2-3 until all samples have been loaded and/or all positions in the sample wheel are occupied
5. Automatic sample processing begins

If the five (5) second window is missed, and more samples need to be tested simply restart the process.

PROCESS NON-BARCODED SAMPLES

To process non-barcoded samples:

1. Touch the  icon
2. The sample wheel rotates to position the next open slot at the sample entry port
3. The instrument will prompt the operator to enter patient identification data manually using the alphanumeric keyboard. Patient info must be recorded in one (1) or more of the following data fields: alphanumerical ID, patient's first name, patient's surname
4. Select  to skip a data field or to confirm the entered information
5. The sample wheel rotates to position the next open slot in the sample entry port
6. Insert the tube and the sample processing will begin



FINGER SENSOR SAFETY

- 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.

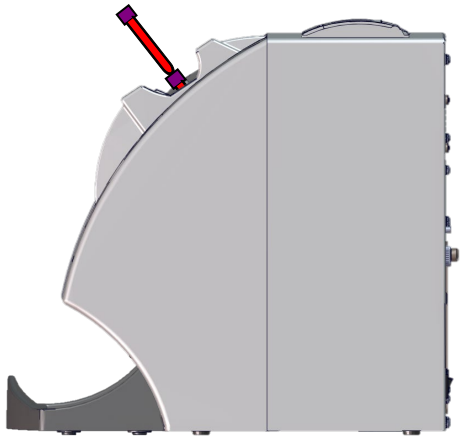
- During the sample loading process, the operator may inadvertently invoke the Finger Sensor Safety feature.

- If this is suspected, simply remove the sample and fingers from the sample accessioning port and START OVER. The iSED will beep when it is ready to receive a sample.

SAMPLE ANALYSIS OVERVIEW

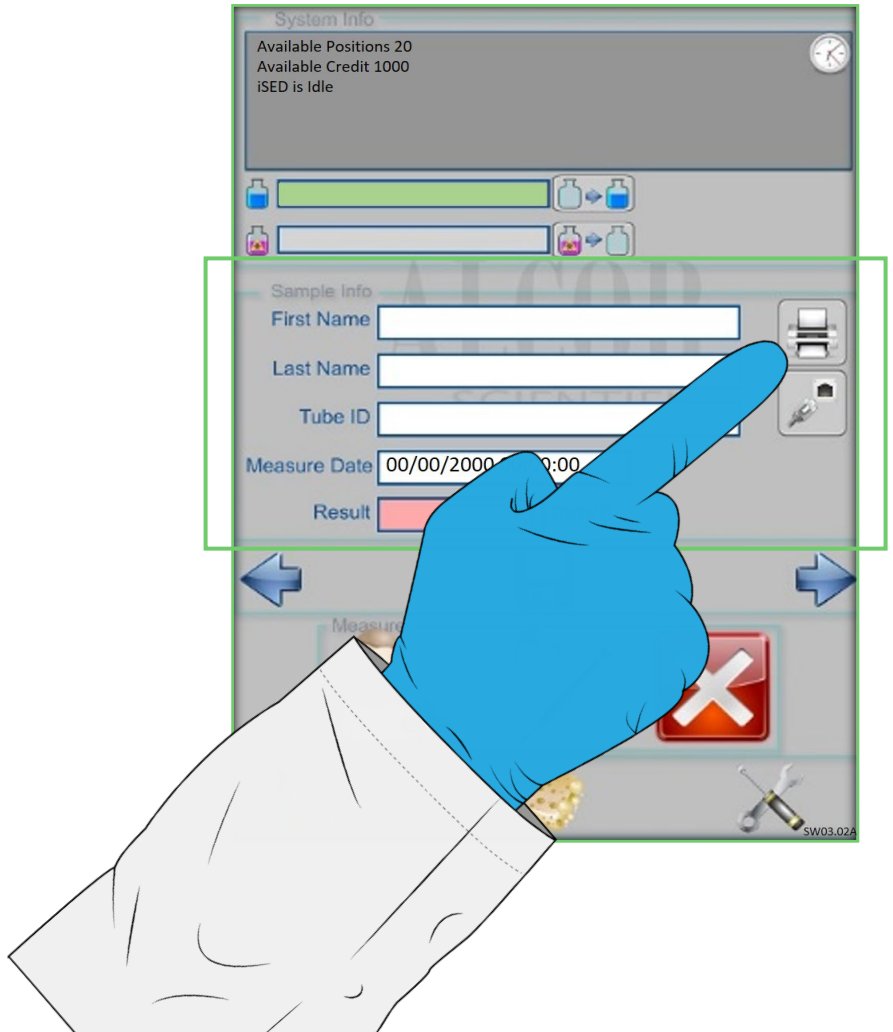
The following will occur once samples have been loaded:

- The analyzer has a 20-position sample wheel with automatic ejection when testing is complete
- The "continuous feed" feature accommodates any quantity of samples in "random access" mode
- All patient samples are automatically mixed on the sample wheel for a minimum of three (3) minutes (180 inversions) before testing
- Time to result after mixing is 20 seconds
- The analyzer result range is 1 to 130 mm/hr



SAMPLE INFORMATION

- The fields in the center of the touch screen display patient demographics and results
- Results can be printed or retransmitted by selecting the icons to the right
- Patient data will only appear if entered manually



RESULT VALUES

Result Values

The reference values shown are averages found in men, women, children and newborns. An increase in these values can be a sign of multiple different health issues that should be diagnosed by a physician or qualified individual.

Sedimentation Rate Reference Value (mm/hr)	
Men under 50 years old	< 15
Men over 50 years old	< 20
Women under 50 years old	< 20
Women over 50 years old	< 30
Newborn to Puberty	3-13
Newborn	0-2

The ranges provided are for reference only. All laboratories should follow their laboratory's protocol for verifying reference ranges.

RESULTS PRINTOUTS

Results Format

Results are shown on screen after analysis and printed by the internal printer. If the instrument is unable to analyze the sample and report results, the printout will replace the 'ESR (mm/h):' field with an error message

Date format:	Month/Day/Year
Time format:	Hour/Minute/Second
Serial number	Instrument serial number
ID:	Barcoded sample identification
Result format:	ESR value in mm/hour

To reprint results for an entire day:

1. From the home screen, select the icon
2. Locate the file to be reprinted; the file name will be the test date
3. Select the file
4. Select the icon to reprint

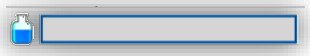
To reprint a single result:

1. From the home screen, locate the result to reprint using icons
2. Select the icon to reprint

ROUTINE WASH CYCLE

The iWASH cleansing agent is required to ensure the analyzer's ESR reading performance. A wash cycle is run once after fifteen (15) minutes of non-use or can be performed on-demand as needed.

iWASH Tips:

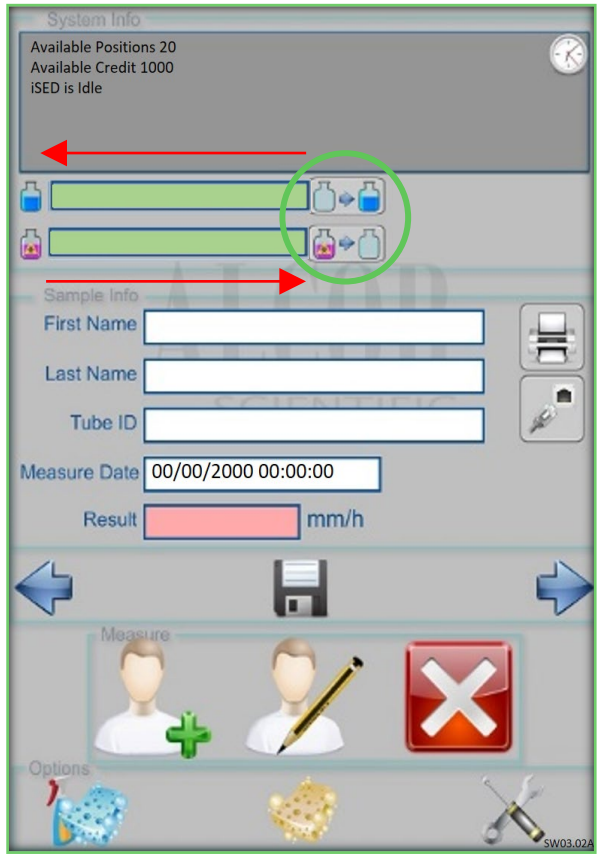
1. The analyzer utilizes ~4.5mL of iWASH per wash cycle
2. Wash cycles are not required to be run after each test
3. Wash cycle should always be run prior to turning off the instrument. Select the  icon to reset.
4. The  icon displays the approximate volume in the iWASH bottle
5. The wash counter must be reset after replacing the iWASH bottle. Select the  icon to reset.
6. A prime cycle is required following a wash cycle. The prime cycle is automatic and uses an additional 20µL of sample from the first sample run following the wash cycle.

WASH & WASTE BOTTLE ICONS

The purpose of the wash and waste visual indicators is to display current approximate volume of each bottle. The icons to the right are used to reset the visual indicators

1. These indicators are based on cycle counts
2. As wash is consumed, the green volume bar will deplete
3. As the waste bottle fills, the waste volume bar will also fill

When a bottle is changed, remember to reset the volume indicator bar by tapping the icon to the right of it.



THANK YOU!

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