

*ILab* *Taurus*

# Power and Innovation in TOUCH



**Biosite**  
MEDICAL INSTRUMENTS

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## Intended Use

The ILab™ Taurus Systems are automated, random access clinical chemistry analyzers which use analytical techniques (photometry and potentiometry) for the in vitro quantification of analytes found in physiological fluids, such as serum, plasma, urine or cerebrospinal fluid. The results of the measurements are used as medical diagnostic information.

## Instruction for Use

The analysis of patient samples can be started using the “Start” icon on the Operation bar (if it is the first operation after the software log in).

1. Click on “Reset”;
2. Only enable the checkbox “Sample analysis” and Click on “Start”;
3. If any reagent lot is expired or changed the “Start check (Reagent)” window will appear: Selecting the “Ignore” button and then “Next page”, the analyzer ignores the warnings shown and will proceed to the next step. Selecting the “Mask” button and then “Next page”, the analyzer will mask the affected test(s) which will not be performed and will remain pending until Unmasked in the Reagent Map. The analyzer will proceed to the next step. Selecting the “Close” button will stop the analysis.
4. The “Start check (QC and Calibration)” window will appear and is related to changes in reagent/calibrator lots and calibration stability: Selecting the “Calibrate” button and then “Continue”, the analyzer opens the Calibration and Reagent Blank selection screen. All tests with expired calibrations and tests where materials have changed will be selected for both Calibration and Reagent Blanking. Selections on this screen can be modified. Selecting the “Ignore” button and then “Continue”, the analyzer disregards the warning for the current analysis run and continues. For the calculation of results, the analyzer will use the last valid calibration. Selecting the “Mask” button and then “Continue”, the analyzer will mask the affected test(s) which are not performed and remain pending until Unmasked in the Reagent Map. The start check windows (reagents and QC /calibration) can be hidden by selecting the “Auto Hide” checkbox on the upper left corner. The actions selected (calibration, mask, ignore) will be kept for the further analysis. As consequence of that, once the samples have been requested (manually or by HOST), it will be only needed to load the sample racks on board. Analysis will start automatically. The start check windows (reagents and QC/calibration) appears everytime the user log in the software, even if the “Auto Hide” checkbox has been enabled.

## Major Parts and Components

### Analytical Module

- Sampling & Analysis
- Fluidic
- Power Supply & electronics
- Reaction Tray
- ISE Module
- Sample Tray
- Reagent Tray
- Rack Loading
- Washing Station



# TECHNICAL SPECIFICATIONS

Throughput	500 tests/hour + 375 ISE/hour
Methodologies supported Reagent barcode reading capabilities	Photometry; Turbidimetry; Potentiometry Yes
No. of reagents on board	96 reagents, Continuous reagents loading: reagent loading “on-the-fly” is available during routine.
Sample loading	Rack Loading System: 10 racks, 5 positions racks, dedicated to Calibration, Controls and Samples. Continuous rack loading.
Sample volume	Min 2 µL; Max 30 µL step 0.25 µL
Reagents volume	Min 20 µL; Max 300 µL step 2.5 µL
Electrolytes	Ion Selective Electrodes(Direct)
No. of Electrodes	3 Electrodes (Na,K,Cl)
No. of user-definable (open) channels/No.	300/200 tests.
Reaction cuvettes	81 Pyrex-Glass
Reaction temperature	37°C, kept by water bath
Wavelengths	12 (from 340 to 850 nm)
Available Host protocols	ASTM; either RS-232C or Ethernet connection
Sample bar-code Type	Samp2 of 5 interl., Codabar, codes 39 & 128, UPC (EAN) and Industrial 2 of 5.
Additional Features	Measurement nr. of tests remaining Short sample detection Clot sensor Serum index Reflex tests Dilution of

## Installation Requirements

Power	120 / 230 V ±10%, 50 / 60 Hz, 2 kVA
Dimensions and weight	1040 mm X 936 mm X 1180 mm(WxDxH), 320 kg
Power	28L per hr.