

## TECHNICAL DATA

### OPERATION

- Clinical chemistry and turbidimetry
- Random access, STAT
- System reagent methods preinstalled and validated
- Open channels with barcoded bottles
- Up to 290 tests / hour

### SAMPLES

- Removable sample tray
- 60 positions
- 12.5 mm primary tubes and 1 ml cups
- Optional 16 mm tubes and 3 ml cups
- Automatic pre and post-dilution
- Internal barcode reader

### REAGENTS & SOLUTIONS

- 2 removable reagent trays
- 60 positions
- 70 and 25 ml bottles
- Electronically controlled cooling

### PIPETTING

- 2 pipetting needles
- Needle shock detector
- Capacitive liquid level detector
- Internal, external and method specific wash procedures

### REACTION

- 8-step cuvette wash station
- Less than 3 l / h water consumption
- Two different wash solutions
- Method specific wash procedures
- Separate containers for normal and high contaminated waste

### SOFTWARE

- External computer required
- LIS: Bi-directional, ASTM, Ethernet
- English, French, Spanish
- Designed for touchscreen
- Automatic check of reagents, expiry dates, calibration, hardware, maintenance, reaction and results

### ENVIRONMENT

- 100 – 240 V, 50 / 60 Hz
- Less than 300 VA
- 93 x 74 x 60 cm (W x D x H)
- Approx. 75 kg
- 16 – 30 °C, < 80 % humidity

### TEST MENU

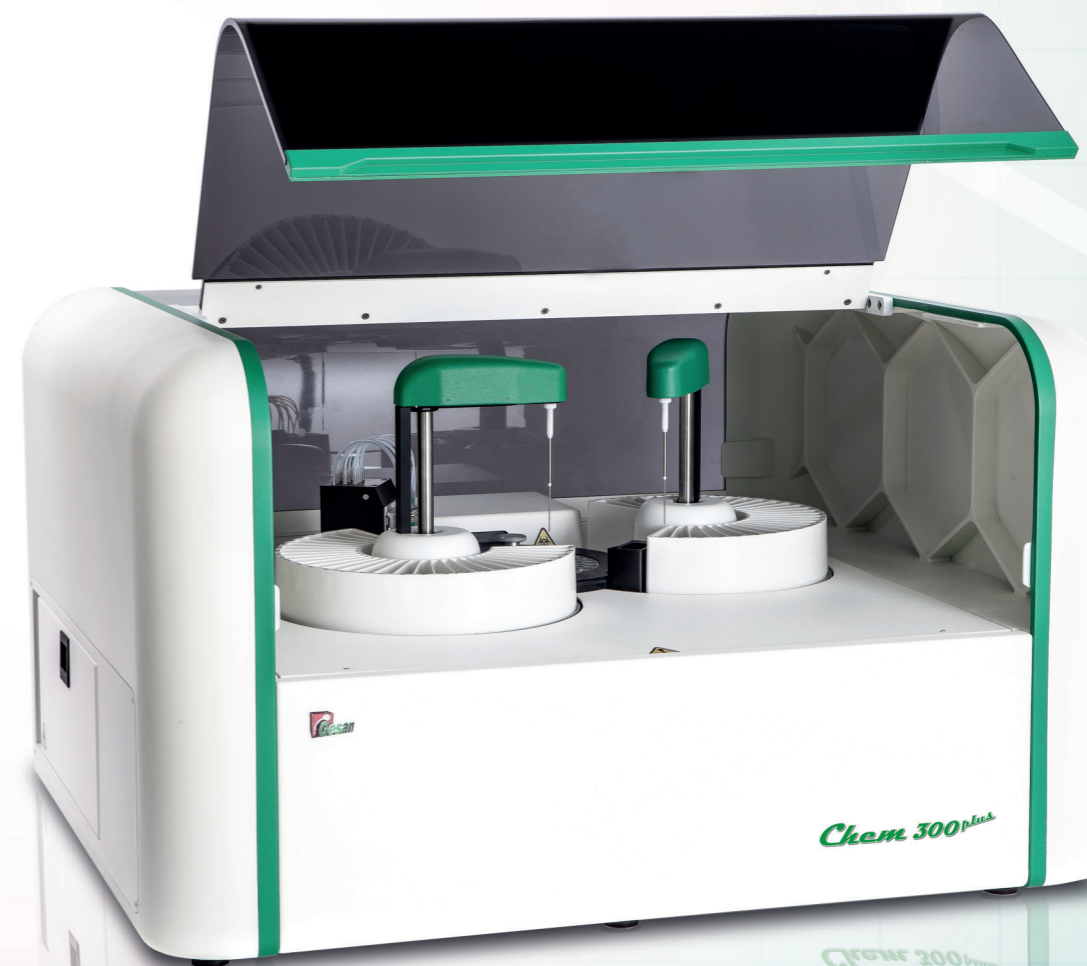
- Routine
- Turbidimetric panels
- Diabetic markers
- Specialities
- Drugs of Abuse
- Therapeutic Drug Monitoring\*

\*Available soon



random access clinical chemistry analyzer

## THE CHOICE THAT GOES DOUBLE



GESAN PRODUCTION s.r.l.

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# Chem 300 plus

## SYSTEM OVERVIEW

### QUALITY RESULTS

- System wash has been optimized
- Ceramic glass components to avoid cross contamination

### CONTINUOUS SAMPLE LOADING

- Removable sample tray
- 60 positions (30+30) for an high flexibility of handling
- Pause mode for reagent and sample adding during test execution

### DEDICATED BARCODED REAGENTS

- Ready to use
- Validated by correlation studies



### AUTOMATIC START UP

- System ready whenever needed
- Easy maintenance for a reduction of operator actions
- Online remote support: Scientific and Service support



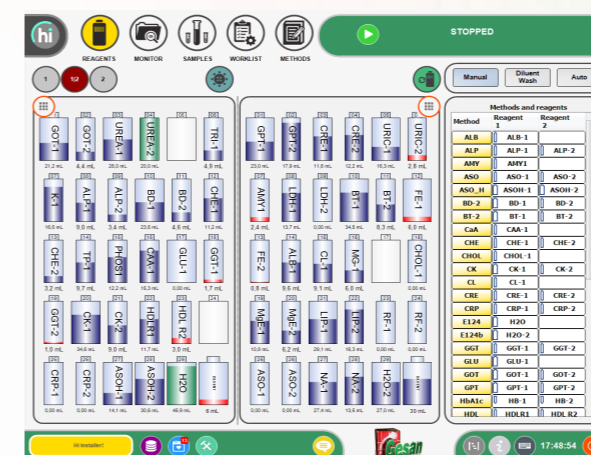
### EXCELLENT USER INTERFACE

- Automatic check of reagents, expiry dates, calibration, maintenance, controls...
- Test inspection for reaction check and test details
- Fully automated maintenance procedure
- Touch screen technology
- Intuitive software on Windows Net-Framework bases



### ROBUST HARDWARE

- Syringe no maintenance long life plunger;
- hydraulics part detached from electronics part;
- level detection check for pump check and flow adjustment;
- Easy consumable replacement: lamp, cuvettes and peristaltic head can be done by operator;
- dedicated waste for biohazard solutions



### RELIABLE AND EFFICIENT

Easy and high innovative software. **Chem 300 plus** is provided with a sophisticated software program to simplify operations and training. Moreover monitoring the life time, the software automatically tracks service needs and alerts the users when maintenance is due. The lab has always the instrument in perfect conditions. The **Chem 300 plus** can be programmable any time reducing the human effort to handle it.

The 2 reagent plate design is an innovative solution that allows the best organization and combination of reagent plate than possible. This optimization of the workflow and a better knowledge in the use of the instrument acquired by the operator generate a better productivity for the laboratory. Last but not least, remote diagnostics control allows the service personnel to resolve errors quickly and efficiently without an on-site visit.

### CONVENIENCE

Each Gesan **Chem 300 plus** dedicated reagent pack holds all the necessary reagents up to 1200 tests, an high on board and shelf life stability of Gesan reagents is maximizing on-board capacity and reducing the need of operator action. The bar-coded Gesan **Chem 300 plus** dedicated reagents are automatically handled by the system which checks reagent specification end expiring date. The 60 reagent positions in 2 separate rotors (30+30) gives to the lab the opportunity of an on board back up and work as it had two instruments.

With its Extra clean system, **Chem 300 plus** is an eco-friendly analyzer: the 80 washable BIONEX cuvettes that allow up to 30000 tests and the less than 2L/hour water consumption make the **Chem 300 plus** a system that cares the environment with less volume to dispose.

The **Chem 300 plus** shows an elevated flexibility with a wide range of different configurations and vials can reach any request and reduce died volumes.

## Remote Support

Chem300 plus extensive assay menu is combined with proven hardware and software to consolidate testing and increase efficiency while reducing running costs of the laboratory

