

Clinical Chemistry

# Microlab™ 300



Selectra Solutions

THE SMARTEST CHOICE  
FOR LOW-VOLUME  
LABORATORIES



**VitalScientific**  
Diagnostics for Life

# Clinical Chemistry

## SPECIFICATIONS

### OPTICAL

- Photometric range: -0.1 to 2.3 Absorbance
- Wavelengths: automatic by 12 positions filter wheel
- 7 Standard interference filters: 340, 405, 505, 546, 578, 620 and 660 nm
- 5 positions for optional filters
- Detector: Photo diode (320-1000 nm)
- Light source: quartz-halogen lamp 12V-20W

### TEMPERATURE CONTROL

- Peltier system
- Fixed temperature at 37°C

### FLUIDIC SYSTEM

- Internal bellows pump, driven by stepper motor
- Back panel connection for waste
- Aspiration volume programmable

### FLOWCELL

- Metal, with quartz windows
- Measuring volume 30 µL

### OPERATOR INTERFACE

- Membrane keyboard, for direct function and alpha-numeric entry
- Optional external keyboard
- High contrast graphical LCD display

### PRINTER

- Internal matrix printer
- Normal paper
- External printer port available

### SIGNAL INTERFACE

- Centronics type parallel port
- RS 232 type serial port
- PS 2 type port for external keyboard
- Real time clock, 24 hours system

### LANGUAGES

- English, Spanish, French, German and Portuguese.
- Other languages on request

### MEASUREMENT PROCEDURES

- Kinetic, with linearity check
- Kinetic, with linearity check and sample slope blank
- Two point kinetic, with or without reagent blank
- End point, with or without reagent blank
- Bichromatic end point, with or without reagent blank
- End point, with sample blank and with or without reagent blank
- Blanking: automatic zero setting

### MULTIPLE TESTING

- Up to 9 replicates
- Means, SD and CV%

### MEASURING TIME

- Programmable, 2 to 998 seconds for end point, kinetic and two point assays

### DELAY TIME

- Programmable, 0 to 999 seconds

### METHOD PARAMETER SETTINGS

- Method name
- Measurement mode
- Wavelength 1 and 2
- Aspiration volume
- Measurement delay
- Measurement time
- Factor
- Concentration standards
- Reagent blank y/n
- Sample blank y/n
- Units for results
- Levels for flagging
- Curve fit y/n
- Linearity check

### CALIBRATION

- Factor, one-point, two-point and multi-point
- Automatic on 1 standard (linear mode)
- Automatic on up to 10 standards (non-linear mode)

### QUALITY CONTROL

- Two controls per test
- QC survey of last 30 control measurements
- Levey Jenning plot
- High/Low flags

### STANDARDS AND REGULATIONS

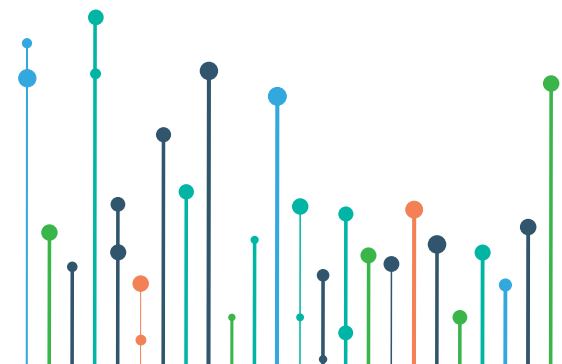
- CE-IVDR
- USA FDA listed
- CB

### POWER REQUIREMENTS

- 100-240 Vac nominal, 50/60 Hz.
- Battery back-up to retain data

### DIMENSIONS & WEIGHT

- 40 cm (16 in) x 17 cm (7 in) x 36.5 cm (14 in) (W x H x D)
- 8.5 kg (19 lbs).



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