

Enjoy the Advantages of the intelligent

# Greiner GA 400 Analyzer

Individual  
Color Option

Individual  
Language Option

Specific  
Reagent Barcodes

Optimal Pipetting  
Precision

Superior Photometer  
Linearity

Interference-Prevention by  
individual Cleaning Steps

Maximal Throughput  
= 400 Tests/hour

Plus optional ISE  
= +200 Tests/hour

Up to 44  
On-Board-Reagents

Test Flexibility:  
Up to 4 Reagents per Test

Test Time Flexibility:  
Up to 15 min

Optimized Kit/Calibrator  
Configuration for Easy-Use

 Choose your Personal GA Analyzer Color ...

# GA 400 Fully Selective Auto-Analyzer for Clinical Chemistry

## Specifications

### **Compact size, random access automated multi-purpose analyzer with functions photometry, turbidimetry, ISE (optional)**

<b>Photometric System</b>	Rear Spectrophotometry, halogen lamp 20W/12W and flat field grating monochromator: 340, 380, 405, 480, 505, 546, 570, 600, 660, 700, 750/800nm; Linear range 0 - 3.3 Abs
<b>Analysis Rate</b>	400 tests/hour, with ISE up to 600 tests/hour, 88 online tests and 3 ISE tests (K, Na, Cl optional)
<b>Analytical Methods</b>	Endpoint, fixed-time, kinetics, sample- and reagent-blank, mono- and bichromatic, linear and non-linear calibration
<b>Programming, Functions</b>	Batch- and patient selection, user-defined profiles, STAT sample-priority
<b>Pipetting and Washing</b>	3 separate probes, carry-over reduction by nano polished needles, high pressure rinsing/ stream washing, volume detection of sample and reagents, water degassing device
<b>Sample Unit</b>	115 positions (50x routine, 20x STAT, 34x calibration - cooled, 8x QC - cooled, 3x wash solution), pipetting volumes 2 - 35 $\mu$ L, 0.1 $\mu$ L steps, liquid level-, clot- and collision detection, auto sample dilution, primary or secondary tubes/cups, sample barcodes (code 128, code 39, UPC/EAN, code 93)
<b>Reagent Unit</b>	2 disks, 2x45 reagent and 2 detergent positions for 70 and 20mL bottles - cooled, pipetting volumes 20 - 350 $\mu$ L, 1 $\mu$ L steps liquid level- and collision detection,
<b>Reagents Barcodes</b>	Up to 94 specifically barcoded reagent sets; option open or closed (code 128)
<b>Reaction Unit</b>	Reaction cuvettes of long-performance rigid plastic material, 120 positions, cuvette volume min. 150 $\mu$ L, max. 450 $\mu$ L, temperature 37°C by watercirculation, cleaning by warm water rinsing
<b>Operating System</b>	CPU >2.2GHz dual core processor, Memory > 1G, HD >160 G, comprehensive operator-friendly informational software based on Windows XP, graphical operating software, report printing of user-defined mode, QC, and status information LCD monitor (optional), Printer (optional)
<b>Other Data</b>	RS-232C interface, TPC/IP network connection Dimension 1060x790x1150 mm Weight 300 kg Voltage AC 200 - 240V, 50 Hz $\pm$ 1Hz, water consumption < 20L/h