Gemini

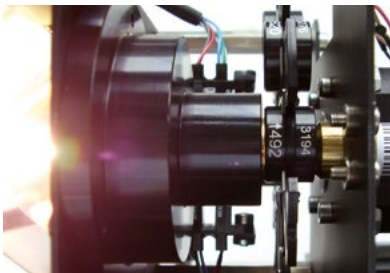Compact, fully automated ELISA and MBA analyzer

stratec ● ●

BG TestLine®

Full automation of ELISA method

- Fully open, 3 plate system automatic analyzer
- Highly flexible time manager with LIS connectivity
- Easy installation and maintenance
- High pipetting safety ensured by triple control
- Convenient programming of test protocols

- Easy operation
- Proven reliability
- Possibility of online support
- The system complies with the diagnostic guidelines for in vitro diagnostics

Incubation

- Two independent incubators (to 45 °C) with shaking (20 Hz)
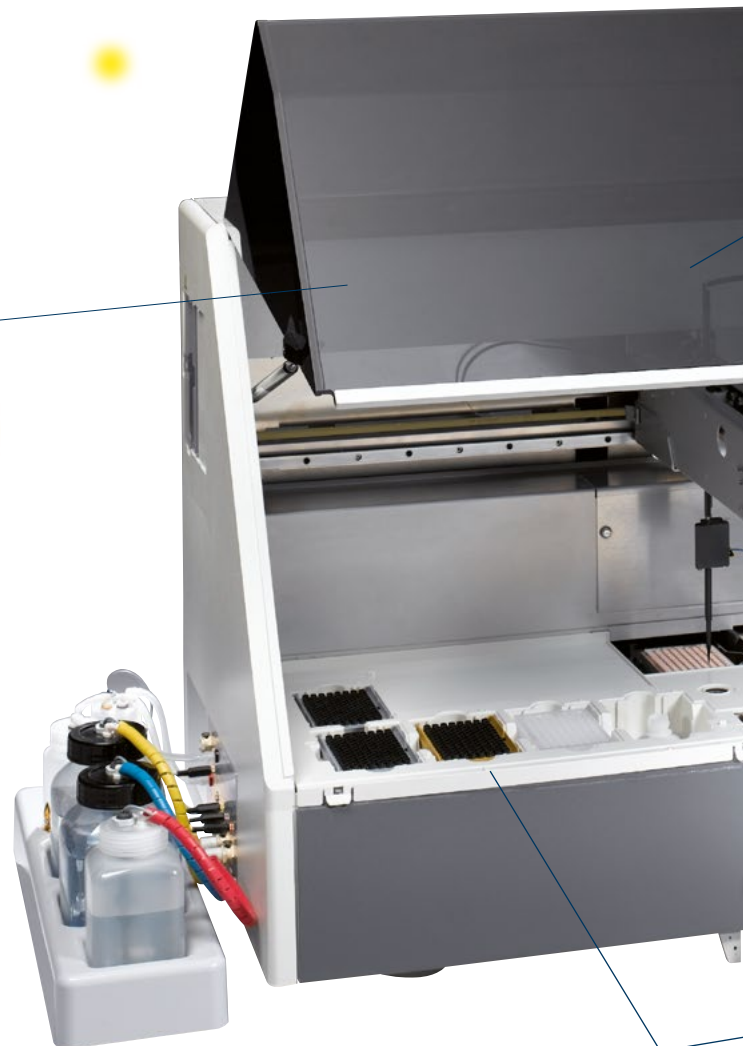- Three incubators at RT

Photometer

- Spectral photometer with up to 8 filters
- Reading of one or two wavelengths
- End point and kinetics
- Shaking

Washing

- 8-channel washing station (aspiration and dosing)
- Three wash solutions
- Multipoint washing, wetting, top and bottom washing, different aspiration speed
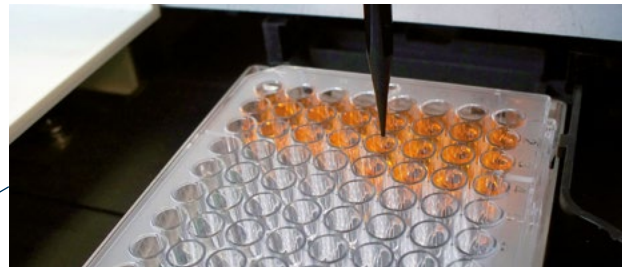
Simplicity and flexibility

– Flexible scheduling of two plates

– Graphical representation of scheduled operations

– Proven software reliability

– LIS connectivity

– Established software platform installed in more than 9,000 locations worldwide

Safety and processes control

– Pipetting pressure control

– Detection of clots and control of sufficient sample volume

– Colorimetric verification of dosing accuracy

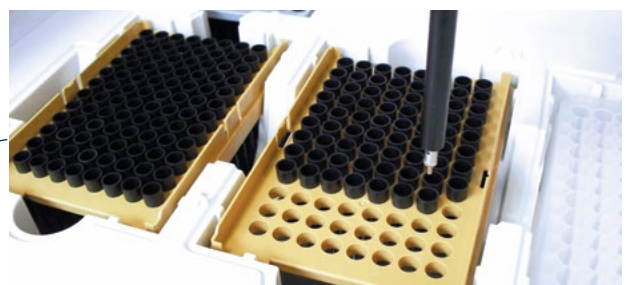– Identification of samples and reagents barcodes

Capacity and throughput

– Initial loading of up to 192 samples

– Continuous sample loading and retrieval

– Three positions for tips and two positions for pre-dilution strips

Pipetting

– Liquid pipettor for disposable tips (300 µl or 1100 µl)

– Flexible programming of single or multi-step dilution, mixing or sample storage

Technical specification

Basic

Dimensions (W x H x D)	125 x 90 x 75 cm

Pipettor

Min. / max. volumes	10 µl – 300 µl (300 µl tip) / 301 µl – 1000 µl (1100 µl tip)
Dosing accuracy (one-step)	< 3% CV (20 µl) / < 3% CV (100 µl)
Dosing accuracy (multi-step)	< 10% CV (16 x 20 µl) / < 3% CV (8 x 100 µl)
Highlights	pressure monitoring, capacitive detection of liquid levels, tips detection, mixing, multiple dilution steps, archiving

ELISA

Capacity	up to 192 samples flexibility: ex. 144 samples + 8 reagents + 16 controls

Photometer

Photometric range	0 – 3.0 OD
Spectral range	400 – 700 nm (up to 8 filters)
Reading time	< 15 sec, < 30 sec (2 wavelenghts)
Range	1% CV (1.0 OD)
Linearity	0 – 2.000 OD ±1%

Incubator

Temperature range	to 45 °C
Temperature distribution	±1,5 °C (temperature monitoring)
Shaking	20 Hz

Washer

Accuracy	10% CV (300 µl)
Residual volume	< 2.5 µl U-plates
Washing capacity	3 washing solutions
Highlights	multipoint washing, soaking, top and bottom washing, different aspiration speed

All values are achieved under optimum conditions and may vary depending on environmental, instrument and processing conditions.

MANUFACTURER:

stratec●●

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