

Gemini

Compact, fully automated ELISA and MBA analyzer



strattec●●

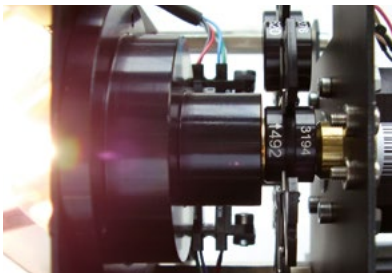
 **TestLine®**

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

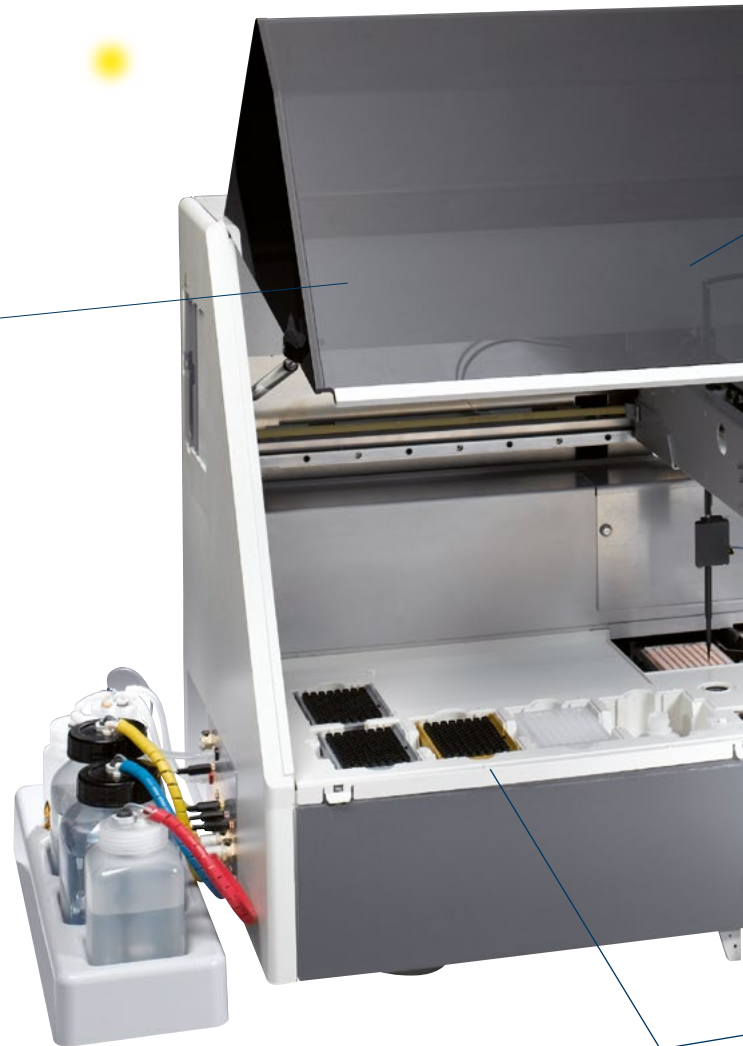
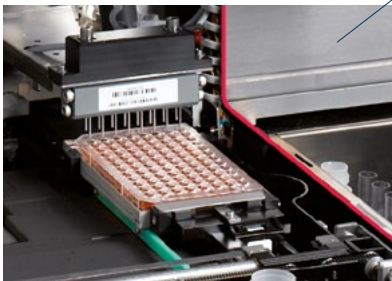


Photometer

- 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



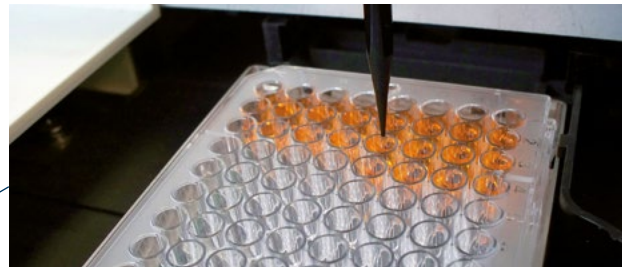
Simplicity and flexibility

- 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 μ l or 1100 μ l)
- 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
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Pipettor

Min. / max. volumes	10 µl – 300 µl (300 µl tip) / 301 µl – 1000 µl (1100 µl tip)
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Dosing accuracy (one-step)	< 3% CV (20 µl) / < 3% CV (100 µl)
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Dosing accuracy (multi-step)	< 10% CV (16 x 20 µl) / < 3% CV (8 x 100 µl)
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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
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Photometer

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

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

Accuracy	10% CV (300 µl)
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Residual volume	< 2.5 µl U-plates
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Washing capacity	3 washing solutions
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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:



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