

# Gemini

Compact, fully automated ELISA and MBA analyzer



strattec●●

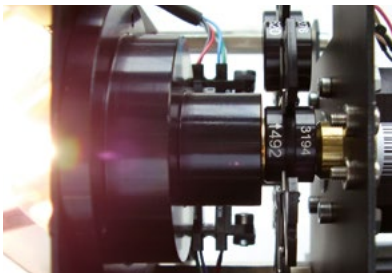
 **TestLine®**

# 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

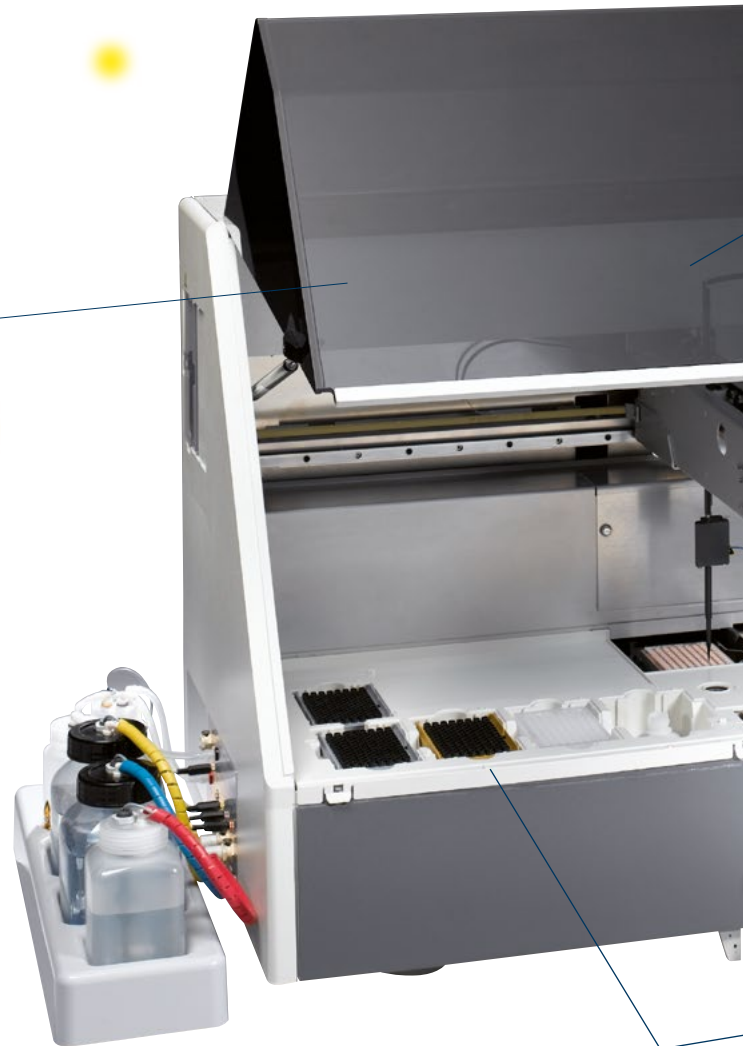
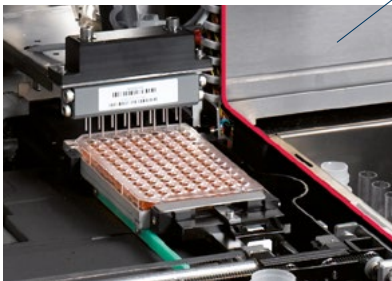


## Photometer

- 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



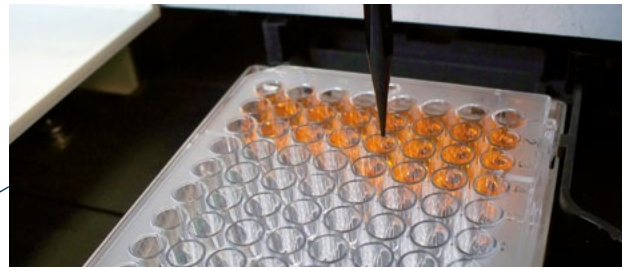
## Simplicity and flexibility

- 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



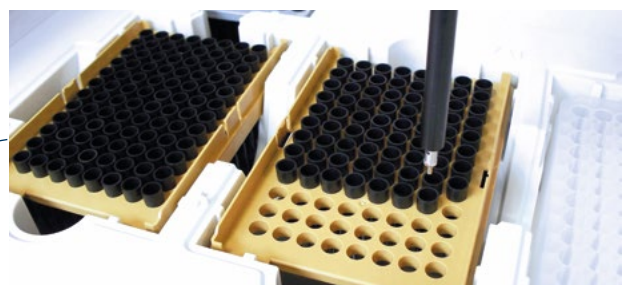
## Capacity and throughput

- 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  $\mu$ l or 1100  $\mu$ l)
- Flexible programming of single or multi-step dilution, mixing or sample storage



# Technical specification

## Basic

<b>Dimensions (W x H x D)</b>	125 x 90 x 75 cm
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## Pipettor

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

<b>Capacity</b>	up to 192 samples flexibility: ex. 144 samples + 8 reagents + 16 controls
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## Photometer

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

<b>Temperature range</b>	to 45 °C
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<b>Temperature distribution</b>	±1,5 °C (temperature monitoring)
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<b>Shaking</b>	20 Hz
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## Washer

<b>Accuracy</b>	10% CV (300 µl)
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<b>Residual volume</b>	< 2.5 µl U-plates
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<b>Washing capacity</b>	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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