









Pipetting stage

- 50 positions for test reagents, different vial sizes adjustable via adapter
- 140 positions for sample tubes with a diameter of 12-18 mm
- 234/273 positions for sample tubes with a diameter of 12 mm
- 280 positions for secondary tubes
- Patient selective pipetting

Incubation stage

- Simultaneous incubation of 280 samples at ambient temperature
- Separate time monitoring for each rack
- Programmable switch-off for sample shaker

Rinsing stage

- Free selection of rinsing parameters up to 9 rinsing cycles Rinsing volume: I – 4 ml
- "Suction mode only" option
- Programmable switch-off for rinsing device

Detection stage

- 5 Detectors, Na
- Low energy gamma ray measurement
- Time window 0,1 999 min
- 10 mm shield of lead round the detector block
- Calculation and downloading of results

The SR 300 system software provides extensive versatility and simple operation:

- User guidance via supporting menues
- All important functions of the device may be programmed according to the respective test requirements
- 4 different assays with 280 samples may be simultaneously processed in one run
- Multitasking (simultaneous recording and evaluation)
- Various calculation possibilities for the standard curve (spline, logit-log, linear)
- 2-point recalibration of the standard curve
- Permanent status control of the equipment
- Status display for all equipment parts
- Data exchange with laboratory computers and local networks (optional)

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Technical Data:

Total system

Test method Reaction carrier Sample capacity Tube size Rack dimensions Measurement method Throughput Time to first result	Radio-Immuno-Assay coated tubes or coated beads or magnetic micro beads max. 280 samples in 28 racks 12 mm x 75 mm 164 mm x 18 mm x 46 mm (L x W x H) 5 detectors, NaJ typical 180 samples / h incubation time + 5 min., depending on the assay protocol
Pipetting station	freely programmable max. 280 secondary vials max. 12 standards / 6 controls per assay resuspension unit for magnetic particles (4 vials) optional
Incubator	max. 280 samples simultaneously incubation time free programmable for each rack shaker frequency 7 Hz, disconnectable
Washer	10 samples simultaneous rinsing rinsing volume 0 ml – 5 ml repetition 0 – 9 times magnetic separation unit optional
Measurement device	Bialkali-Photomultiplier / NaJ-crystal time window 0,1 – 999 min in 0,1 min steps freely programmable
Computer	IBM-AT compatible 3.5"-Floppy Disk (1.44 MB) Harddisk (500 MB) Color VGA Monitor 9 needles matrix printer
Software	SR 300 RIA-System max. 100 different assay protocols max. 2000 patients max. 12 standards per assays max. 6 controls per assay creation of pipetting methods storage of the last 100 profiles test programms for maintenance and service
Luminescence	Detection stage can be replaced by a bio-/chemoluminescence detection module
CE	Fulfills applicable directives



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THE FIRST FULLY-AUTOMATED ANALYZER SYSTEM FOR RADIO-IMMUNO-ASSAYS



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