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: 1 – 4 ml
- “Suction mode only” option
- Programmable switch-off for rinsing device

Detection stage
- 5 Detectors, NaJ
- 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 menus
- 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)
**Technical Data:**

**Total system**
- **Test method**: Radio-Immuno-Assay
- **Reaction carrier**: coated tubes or coated beads or magnetic micro beads
- **Sample capacity**: max. 280 samples in 28 racks
- **Tube size**: 12 mm x 75 mm
- **Rack dimensions**: 164 mm x 18 mm x 46 mm (L x W x H)
- **Measurement method**: 5 detectors, NaJ
- **Throughput**: typical 180 samples / h
- **Time to first result**: 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 programs for maintenance and service

**Luminescence**
- Detection stage can be replaced by a bio-/chemoluminescence detection module

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**Certified to applicable standards. For further information see www.stratec-biomedical.de/Quality**