

fully-automatic



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### 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

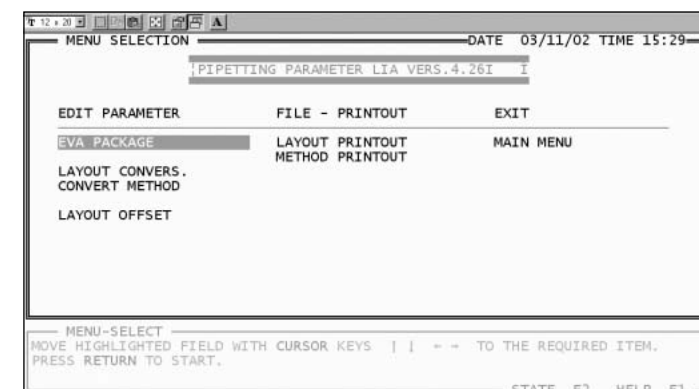
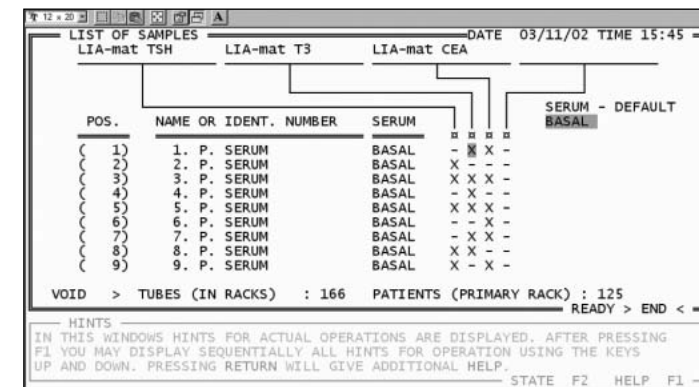
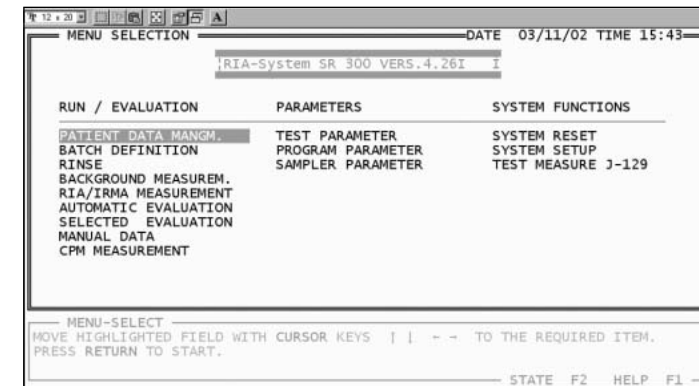
- Free selection of rinsing parameters up to 9 rinsing cycles  
Rinsing volume: 1 – 4 ml
- “Suction mode only” option
- Programmable switch-off for rinsing device

### Detection stage

- 5 Detectors, NaI
- Low energy gamma ray measurement
- Double-marking  
 $I_{125}$  –  $Co\ 57$
- 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 programmes for maintenance and service

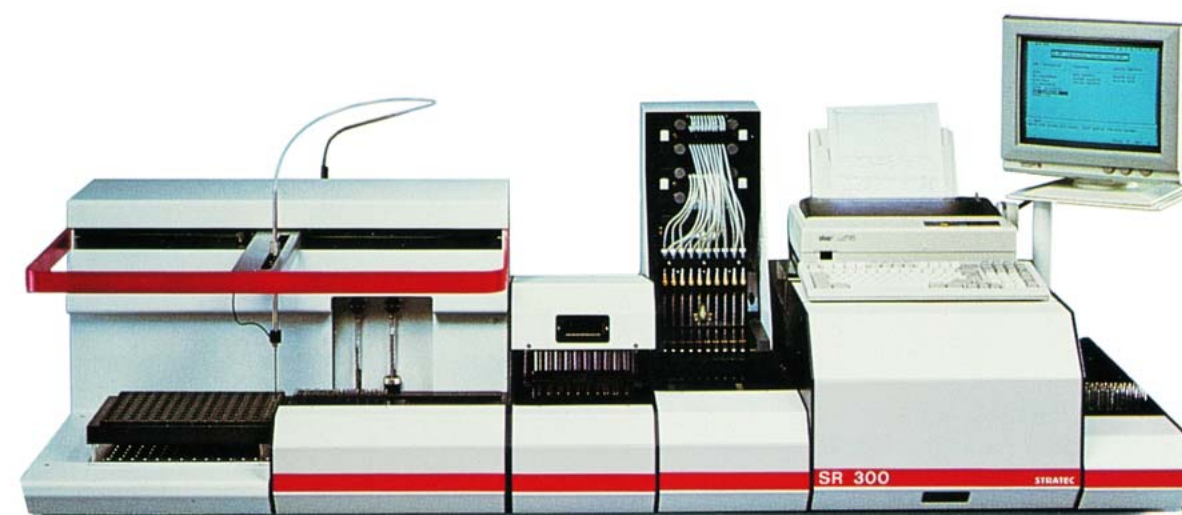
### Luminescence

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

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

High economy via operation facilitation  
and time-saving in routine diagnostics

Open Analyzer System  
for Radio-Immuno-Assays  
RIA, IRMA, RAST  
double-marked RIA, Spac FT 4  
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