

# Convergys® ESR series

Convergys® ESR 10s



Convergys® ESR 10



Convergys® ESR 20



Convergys® ESR 100



Convergys® ESR Vacuum Tubes

## Technical Specifications Comparative Chart of the Convergy's® ESR series

	Convergy's® ESR 10s	Convergy's® ESR 10	Convergy's® ESR 20	Convergy's® ESR 100
Area of application:	ESR	ESR	ESR	ESR
Bar Code Reader	optional	optional	integrated	integrated
Printer	optional	optional	integrated	integrated
Reading channels:	10	10	20	100
Analytical capacity:	max 20 tests/h(30' mode) or 40 test/h(15' mode)	max 20 tests/h(30' mode) or 40 test/h(15' mode)	max 40 tests/h(30' mode) or 80 test/h(15' mode)	max 200 tests/h(30' mode) or 400 test/h(15' mode)
Loading capacity:	1-10	max 10 samples at a time	max 20 samples at a time	max 100 samples at a time
Loading pattern:	random	random or batch (with mixing)	random or batch (with mixing)	random
Mixing:	external	internal	internal	external
Interface:	RS 232 for printer and barcode scanner	RS 232 for printer and barcode scanner	RS232 for printer, host and barcode scanner	RS232 for printer, host and barcode scanner
Stored patient results:	-	500 results	500 results	500 results
Pre-indication results:	Yes, after 10 minutes	Yes, after 10 minutes	Yes, after 10 minutes	Yes, after 10 minutes
Display:	LCD 2x40 character with backlight	LCD 2x40 character with backlight	graphical LCD with backlight	graphical LCD with backlight
Instrument size (W x D x H):	180 x 100 x 140 mm	240 x 120 x 200 mm	330 x 310 x 200 mm	360 x 430 x 240 mm
Weight:	~0.9 kg	~2 kg	~5 kg	~5 kg
Instrument input power:	12 Vdc 1.5 A	12 VDC 0.5 A	12 Vdc, 3.5A	12 Vdc, 3.5A
External power supply unit input power:	100 - 240 Vac 50 - 60 Hz	100 - 240 Vac 50 - 60 Hz	100 - 240 Vac, 47 - 63 Hz	100 - 240 Vac, 47 - 63 Hz
Operating Conditions:	15 - 32 °C	15 - 32 °C	15 - 32 °C	15 - 32 °C
Humidity:	45% - 85% not condensed	45% - 85% not condensed	45% - 85% not condensed	45% - 85% not condensed
Reading time (selectable):	15, 30 or 60 minutes	15, 30 or 60 minutes	15, 30 or 60 minutes	15, 30 or 60 minutes
Measuring method:	IR beam	IR beam	IR beam	IR beam
Reading precision:	+/- 0,2 mm	+/- 0,2 mm	+/- 0,2 mm	+/- 0,2 mm
Results precision:	+/- 1 mm	+/- 1 mm	+/- 1 mm	+/- 1 mm
Temperature correction:	automatic compensation to 18°(Manley)	automatic compensation to 18°(Manley)	automatic compensation to 18°(Manley)	automatic compensation to 18°(Manley)
Results (selectable):	in Westergren mm/30', mm/1h,mm/2h.	in Westergren mm/30', mm/1h,mm/2h.	in Westergren mm/30', mm/1h, mm/2h.	in Westergren mm/30', mm/1h, mm/2h.
Blood draw level acceptance	0.90 to 1.20 ml	0.90 to 1.20 ml	0.90 to 1.20 ml	0.90 to 1.20 ml

### Ordering Information

REF	Article Name	Description
1100-1403	Convergy's® ESR 10s	10 channel
1100-1404	Convergy's® ESR 10	10 channel, integrated mixer
1100-1405	Convergy's® ESR 20	20 channel, integrated mixer, barcode scanner and printer
1100-1406	Convergy's® ESR 100	100 channel, integrated barcode scanner and printer
1100-1407	Convergy's® ESR Vacuum Tubes	1.2ml aspiration volume, containing anticoagulant

\* Convergent Technologies reserves the right to change any of the specifications without prior notice.

\*\* Full specifications are available on request