StaRRsed Compact

The StaRRsed Compact ESR (Erythrocyte Sedimentation Rate) analyzer produces a true Westergren result and conforms to the recommendations of the International Council for Standardization in Haematology (ICSH). Fast turnaround, immediate results after half or one hour after start of measurement, automated waste control, accepting both open and closed sample tubes, accepting EDTA blood samples and no disposables. Built in barcode reader. Suitable for labs doing > 60 samples per day.

StaRRsed III

The StaRRsed III is a fully automated ESR (Erythrocyte Sedimentation Rate) analyzer that produces a true Westergren result and conforms to the recommendations of the International Council for Standardization in Haematology (ICSH). Built in barcode reader, full walk-away operation for 30 samples, only 1.6 ml sample volume, to be connected to lab computer. Suitable for labs doing > 150 ESR’s a day.

StaRRsed Auto Compact

Based on the established StaRRsed Compact, the addition of the StaRRsed Rack now provides what the busy Haematology Lab has been demanding, the StaRRsed Auto Compact. Using existing blood cell counter racks, the operator time is reduced to nearly zero. Results are available in either one-hour or half-hour mode. The StaRRsed Auto Compact takes ESR sampling to new heights. Suitable for labs doing > 150 samples per day.

InteRRliner

InteRRliner makes continuous production of the ESR analyses available, as stand-alone or as an integrated device within a complete test line. Easy loading of the samples from the racks into the machine. Fully automatic barcode reading for an optimum cooperation with the administration and report software. Fully automated preparation of samples before aspiration. Suitable for labs doing > 300 ESR’s a day.
Accurate ESR analyses at low cost

StaRRsed III is a fully automated Erythrocyte Sedimentation Rate analyzer operating according to the Westergren method (see references). Because the Westergren tubes (pipettes) are washed, cleaned and dried automatically after use, there are no disposables hence very low running costs.

Totally automated ESR

StaRRsed III accepts most makes of closed blood collection tubes with pierceable caps which ensure safety for the operator. Fully automated barcode reading for sample identification is integrated to achieve positive identification of the sample. Operator has a choice for standard one hour analyses or the half hour mode.

Results are printed and/or are available through RS232 interface for the Hospital/Lab computer (LIMS).

Easy to operate

StaRRsed III accepts E.D.T.A. blood samples. Only 1.6 ml sample, automatically withdrawn from the blood collection tube, is needed to perform the analyses. The remaining blood sample is not contaminated in any way and thus available for, i.e. cell count and making a blood film.

The 30 position Auto-loader enables 30 blood collection tubes to be placed at once and having the StaRRsed III to analyze all 30 samples unattended, a truly ‘walk away’ feature. The Auto-loader also takes care of mixing the blood sample before each aspiration. It only takes about 15 minutes to load all 30 blood collection tubes to the carousel, enabling almost continuous operation having one disc operative and one disc preparing.

Fail safe operation

All StaRRsed III analyzers incorporate temperature correction, measuring the ambient temperature to calculate a temperature corrected result for 18°C, hereby eliminating reading errors due to temperature. The StaRRsed III has the ability to measure and record haziness above the red cell interface in a totally reproducible and objective way. A saline back flush system for the blood sampling line eliminates cross contamination completely. Barcode reading for positive sample identification.

Microbiologically safe

All StaRRsed III analyzers are equipped with a large but quiet vacuum pump and waste disposal system which is located below the bench. All liquid waste is collected into a 10 litre container. The entire system is protected by microbiological filters.

StaRRsed III features

• Carousel holding 120 precision bore Westergren tubes.
• Sample ID via barcode labels.
• Double needle for sampling blood.
• Sampling line back flushed with saline.
• ESR analyses in one hour mode (or half hour mode)
• Throughput 115 samples per hour (hourly mode)
• Westergren tubes emptied, washed, cleaned and finally dried with warm air for immediate and automatic re-use.
• 30 position Auto-loader (two provided) enabling continuous operation.

Clinical Validation