



References

CLSI Guideline H02-A5; Procedures for the Erythrocyte Sedimentation Rate Test; 5th Edition.

Guidelines

Each laboratory should determine the acceptance criteria and minimum number of specimens necessary to correlate two methods. The correlation study may be completed over several days in order to collect a sufficient number of data points. Refer to CLSI H02-A5 for additional guidance.

Quality Control

Run two levels of control for each method each day of patient testing.

Sample Collection and Storage

Collect a volume of blood sufficient to test each method in the correlation study.

Store patient samples at room temperature (18 °C to 25 °C) until tested and evaluate within four hours of collection, per CLSI guidelines. If possible, run patient samples simultaneously on both ESR methods in the correlation study. Individual samples evaluated more than one hour apart are not considered valid for a correlation study. Samples tested outside of this timeframe may impact correlation results.

Specimen Handling

Mix specimens according to each manufacturer's instrument recommendations. For **Diesse** instrumentation, ensure patient samples are well-mixed 8 to 10 times and bubbles are not visible in the tube prior to placing in the instrument.

Data Evaluation

Record each patient result in the **Result** column on the correlation worksheet. Include additional information for each set including the Run date, Tested By initials and Sample ID. Submit multiple worksheets if additional lines are needed.

Separate correlations should be submitted for each tube type evaluated on the Diesse instrumentation (i.e., 13 x 75 mL K₂EDTA and microtainer tubes). Do not include results from multiple tube types on the same correlation sheet. Be sure to include the tube type and tube volume for each method on the correlation worksheet.

Evaluate each specimen appearance at the end of the test and visually correlate the result with the tube. Include any relevant comments in the **Sample Notes** column. CLSI states that "occasional blood samples may fail to give a clear plasma-erythrocyte interface after sedimentation; if this occurs in either test system or standardized method, the pair of values should be eliminated from the data set."

Correlation data

Once the correlation data sets are complete, submit data to Streck Technical Services to receive a graph of the data, including the correlation coefficient and the correlation percent.

If you have any questions during the correlation process, please contact **Streck Technical Services** for assistance:

Phone: 800-843-0912 ext. 7510

Email: technicalservices@streck.com

Fax: 402-691-7518

ESR Correlation Study Worksheet - For DIESSE Instruments

Facility Name				Date Sent	
Contact Name				Submit data to: Streck Technical Services Email: technicalservices@streck.com Fax: 402-691-7518	
Phone #		Fax #			
Email					



New ESR Test Method		Current ESR Test Method	
Method Name		Method Name	
Serial #		Serial #	
Tube Type		Tube Type	
Volume		Volume	

#	RUN DATE	TESTED BY	SAMPLE ID	RESULT	SAMPLE NOTES: volume, sample appearance, visual correlation, etc.	RESULT	SAMPLE NOTES: volume, sample appearance, visual correlation, etc.
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3							
4							
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Use multiple sheets for additional data sets. Submit all data collected to receive a correlation graph.

ESR Correlation Study Worksheet - For DIESSE Instruments

Facility Name				Date Sent	
Contact Name				Submit data to: Streck Technical Services Email: technicalservices@streck.com Fax: 402-691-7518	
Phone #		Fax #			
Email					



New ESR Test Method		Current ESR Test Method	
Method Name		Method Name	
Serial #		Serial #	
Tube Type		Tube Type	
Volume		Volume	

#	RUN DATE	TESTED BY	SAMPLE ID	RESULT	SAMPLE NOTES: volume, sample appearance, visual correlation, etc.	RESULT	SAMPLE NOTES: volume, sample appearance, visual correlation, etc.
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Use multiple sheets for additional data sets. Submit all data collected to receive a correlation graph.

