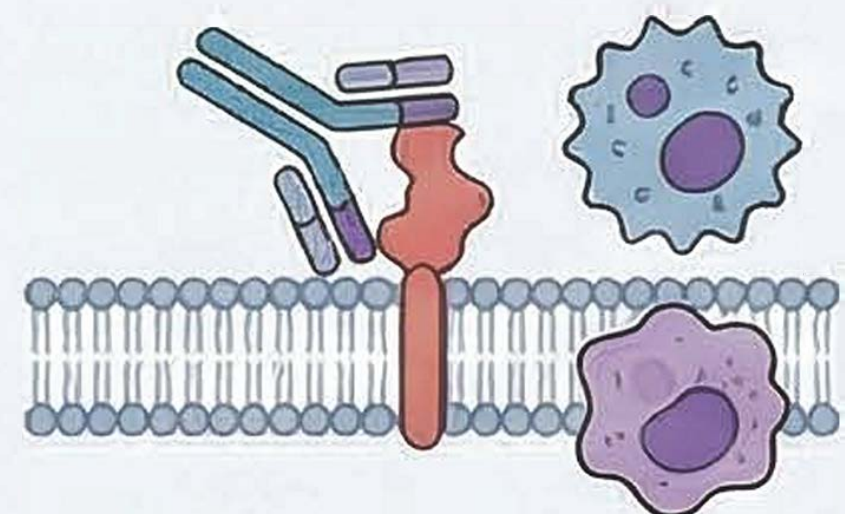
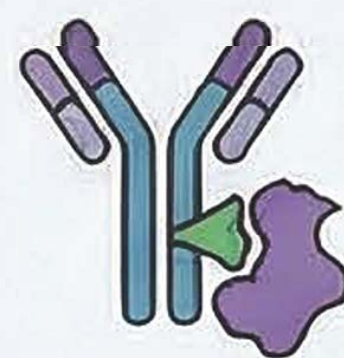


CLINICAL SIGNIFICANCE & DIAGNOSTIC UTILITY



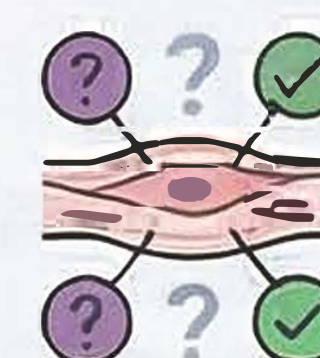
Specific Markers for SLE and MCTD

Sm antibodies are highly specific for SLE, while RNP antibodies identify most MCTD patients.



Targeted Antigen Detection

Detects IgG antibodies targeting U₁ RNA proteins and Sm-specific B'/B or D proteins.



Critical Diagnostic Aid

- Helps distinguish between various connective tissue diseases through specific antibody profiling.

TECHNICAL SPECIFICATIONS & PERFORMANCE



95% Diagnostic Agreement

- High correlation demonstrated between the AccuDiag™ kit and established reference ELISA methods.



Rapid 65-Minute Total Incubation

- Streamlined three-step incubation process (20/20/10 minutes) ensures efficient laboratory throughput.

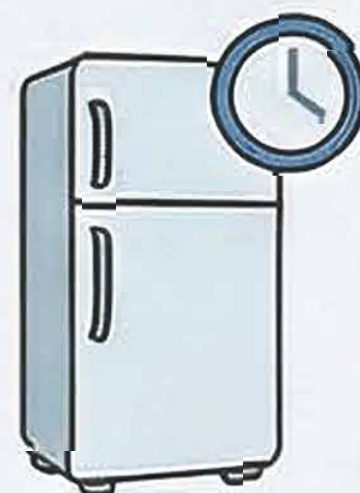


Minimal Sample Requirement

- Requires only 10 µL of human serum for a complete qualitative analysis.

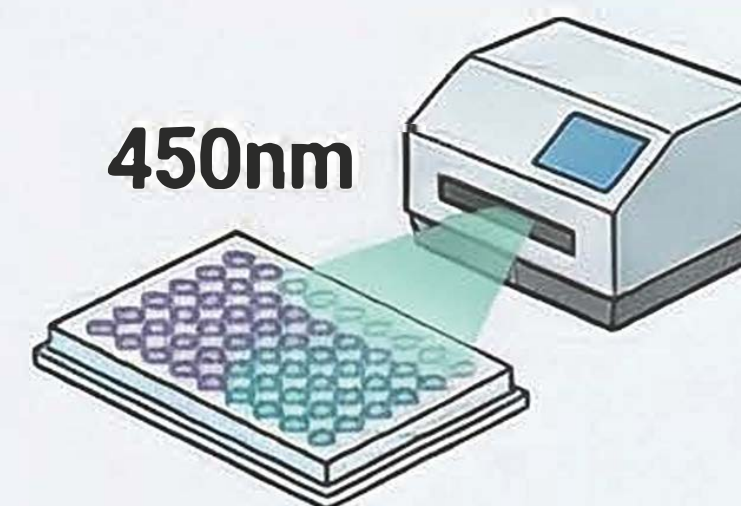
Result Classification		
Antibody Index	Interpretation	Clinical Action
< 0.9	Negative	No detectable RNP/Sm antibodies
0.9 - 1.1	Borderline	Follow-up testing recommended
> 1.1	Positive	Detectable RNP/Sm antibodies

LABORATORY WORKFLOW & REQUIREMENTS



12-Month Shelf Life

- Reagents are stable for one year from manufacture when stored at 2–8°C.



Standardized 450nm Reading

- Compatible with standard ELISA readers; results are calculated using a lot-specific Calibrator Factor.