

ASO Latex

Qualitative and semiquantitative determination
by latex agglutination on slide
of O-Antistreptolysin in serum

2 x 5 ml

REF 6100

Also available:

ASO latex kit with controls and accessories

REF 6000

PRINCIPLE

Anti-streptolysin (ASO) is one of the markers used for diseases such as rheumatic fever or glomerulonephritis, as those diseases are distinguished by a high increase of the anti-streptolysin titre in the asymptomatic period of time which anticipates the beginning of the disease.

In this test anti-streptolysin antibodies, if present in the serum, agglutinate with latex particles sensitized with O-streptolysin, forming an easily visible agglomerate.

REAGENTS

Kits components:

REAGENT 1 (liquid)

REF 6100
2 x 5 ml

Latex polystyrene particles in suspension sensitized with O-streptolysin. Ready to use.

WARNING: the reagents contain sodium azide (< 0.1%) as preservative. Handle with caution and avoid ingestion and contact with skin.

SLIDE

5 pieces

STABILITY: sealed and stored at 2-8°C, reagents are stable up to the expiration date printed on the label.

SAMPLE

Serum.

STABILITY: 2 days at 2-8°C, 1 month at -20°C.

PREPARATION OF THE REAGENTS

Let the reagents reach the test temperature before use. Shake the Reagent 1 accurately before use. Make sure all latex particles are in suspension and not deposited on the bottom of the vial.

MANUAL PROCEDURE OF THE QUALITATIVE TEST

Pour the reagents in the proper areas of the slide, as the following table:

	Sample	Pos. Control	Neg. Control
Sample	50 µl		
Reagent 2		50 µl	
Reagent 3			50 µl
Reagent 1	50 µl	50 µl	50 µl

Mix to spread the liquid on the whole area of the slide. Shake the slide gently (round movement) for 3 minutes and then evaluate the results.

READING OF THE RESULTS

The presence of any agglutination in the sample highlights the ASO concentrations of at least 200IU/ml. On positive sera, it is recommended to perform the titre with the semiquantitative test as further on described.

MANUAL PROCEDURE WITH THE SEMIQUANTITATIVE TEST

Dilute the sample with saline solution as follows:

Dilution	1:2	1:3	1:4	1:5
Sensitivity equal to IU/ml	400	600	800	1000

Proceed on each dilution as for the qualitative test.

RESULTS

The last dilution which shows any agglutination corresponds to the sample titre.

REFERENCE VALUES

SERUM: 150-200 IU/ml.

Each laboratory should define its own reference values.








NOTES

1. Longer reaction times may give false positive results.
2. Always compare the results with the controls.
3. All reagents have been deactivated and tested for HIV, HBsAg and HCV antibodies. However, they should be treated as potentially infectious.
4. After an accurate wash, slides can be reused maximum three times.

REFERENCES

Available upon request.

KEY SYMBOLS

	In Vitro diagnostic medical device
	batch number
	catalog number
	temperature limits
	use by
	caution
	read instructions for use



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MANUFACTURER



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