BIOBASE

Anti-Streptolysin "O"（ASO）Test Kit

(Immunoturbidimetry)

【NAME】

Anti-Streptolysin "O"（ASO）Test Kit (Immunoturbidimetry)

【INTEND USE】

This reagent is intended for the in vitro quantitative determination of Anti-Streptolysin "O"（ASO）in human serum. After the body was streptococcal infection can produce anti-streptolysin O antibody, the antibody is streptococcal exotoxin. ASO detection can help diagnose the cause of hemolytic streptococcus diseases such as rheumatoid, acute renal disease, scarlet fever and tonsillitis and other diseases. Rheumatic fever, acute glomerulonephritis, erythema nodosum, scarlet fever, acute tonsillitis and so on ASO increased significantly. Minority hepatitis, connective tissue disease, tuberculosis and multiple myeloma patients can make fibromatosis ASO increased. Apart from the acute phase serum of patients with rheumatoid arthritis is usually not detected elevated ASO values. Nephrotic syndrome and antibody deficiency of serum only very low levels of ASO syndrome.

【METHODOLOGY】

ASO and super sensitized ASO antibody latex particle reagent is reaction,

And generate immune complex.Detection of the turbidity of change at 570nm, the degree of change is proportional to the ASO levels in the samples.

【STABILITY AND STORAGE】

Unopened, avoid light preservation in 2 ~ 8 ℃, valid for 12 months;

Opened, avoid contamination preservation in 2 ~ 8 ℃, valid for 1 month.

Reagent is not allowed frozen.

【SPECIMEN COLLECTION AND HANDLING】

Fresh serum.

Sample stability:2～8℃ preservation stability in 2 days .

When Conjugated bilirubin concentration of sample≤60 umol/L, hemoglobin≤12 mg/dL, heparin≤20IU/mL,EDTA≤300 μM,was not observed clearly disturbance.

【APPLICABLE INSTRUMENT】

Fully automatic biochemical analyzer.

【SYSTEM PARAMETERS】

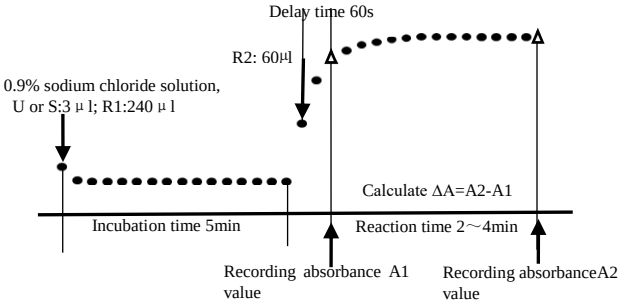
The following system parameters are recommended. Individual instrument applications are available upon request from the Technical Support Group

Temperature	37° C
Cuvette light path	1.0cm
Primary Wavelength	570nm
Secondary Wavelength	800nm
Assay Type	Two Point End
Direction	Increase
Sample : Reagent 1: Reagent 2 Ratio	3:240:60
eg : Sample Vol	3μL
Reagent1 Vol	240 μL
Reagent2 Vol	60 μL
Linearity	0～1200IU/mL
Testing	Deducting the reagent blank

【OPERATION STEPS】

Double reagent operation:

R1: Reagent 1 R2: Reagent 2 S: Calibrator U: Sample



【CALCULATION】

ΔAbs = [（A2- A1）Calibrator or Sample] － [（A2- A1）Blank]

According to the calibration requirements, with different levels of calibration solution, together with 9 g/L sodium chloride solution as the blank. After measurement,the instrument automatic synthesize calibration curve for the calibration response quantity through the appropriate mathematical model (such as Logit/ Spline).Using ASO calibration values to calibrate instrument ,within the scope of the reportable results,the instrument directly report reliable test results.

【REFERENCE RANGE】

＜166IU/mL

By clinical trials, choose no less than 100 newborn or adults blood specimens, tested by automatic biochemical analyzer, and then processing the testing value with statistical method, calculating out the reference range.

Recommendation: The laboratory set up its own reference range!

【THE LIMITATION OF TEST RESULTS】

Anti-Streptolysin "O"（ASO） testing is just one of the standard that clinicist diagnose the patient. Clinical physicians should according to patients' bodies, history and other diagnostic program, to get comprehensive judgment.

【THE INTERPRETATION OF TEST RESULTS】

Human error, the processing of specimen, analysis instrument deviation, etc. all can affect the measurement result；When one sample deviates from the expected value too far, need to be tested again.

【PERFORMANCE INDEX】

1.Reagent blank absorbance ≤1.0000,(570nm,lcm optical path).

2.Precision: repeatability CV≤10%;batch variations R≤10%.

3.Accuracy: relative deviation ≤10%.

4.Linearity range: 0～1200IU/mL,r≥0.990.

【ATTENTION】

1.Reagent contains sodium azide (toxic) preservatives, avoid contact with skin and mucous membrane.If necessary preventive measures should be taken use of reagents, reagent contact with skin and mucous membrane, please rinse with water, please go to a doctor if necessary.

2.The maximum linearity is 1200IU/mL.If testing results is upper limit,dilute with 0.9% sodium chloride solution before test, results multiplied by the dilution ratio.

3.Liquid waste disposal: Suggest follow local regulations.

4.Different batches reagents cannot mix, when replacing reagents batch number, please calibration again.

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