

The TORCH infections can lead to severe fetal anomalies or even fetal loss

【What is Torch】

- T – Toxoplasma gondii (Toxo) IgG/IgM
- O – Others: B19 , Zika Virus
- R – Rubella (Rubella) IgG/IgM
- C – Cytomegalovirus (CMV) IgG/IgM
- H – Herpes Simplex Virus (HSV-1/2) IgG/IgM



Separate testing for HSV

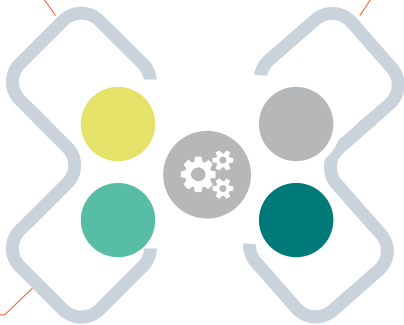
- HSV-1 is mainly spread through the respiratory tract, skin and mucous membranes in close contact. It can infect skin, mucous membranes and organs above the waist, and may also lead to genital herpes.
- HSV-2 is mainly transmitted through sexual contact and mainly causes genital herpes.

Meaning of Quantitative testing

- Qualitative detection is a point detection, cannot dynamically respond to the change of antibody and it is easy to lead false positive or false negative

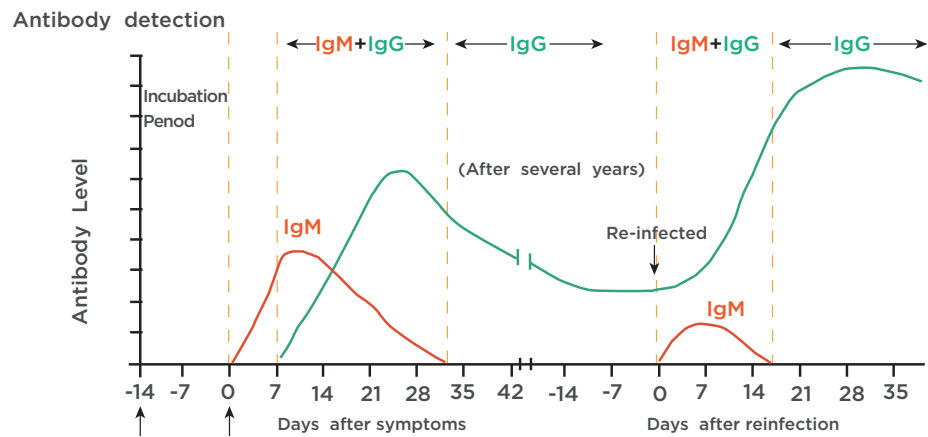
【Quantitative Testing】

For Primary or recurrent infection occurs during pregnancy, the production of IgG or IgM in the body is a process of rapid change, which can only be detected by quantitative analysis of concentration changes.



For those women who didn't do immune status evaluation before pregnancy, To select the two time points (T1, T2), detect IGG and IGM concentration (C1, C2), and calculate concentration gradient change per unit time, can effectively find the body of the virus attacks and specific immune response. Even though there is no reference value, more commonly used is the $C2 / C1 > 4$ times, but all of these must be on the premise of quantitative.

Quantitative analysis helps to find false positive or false negative results.

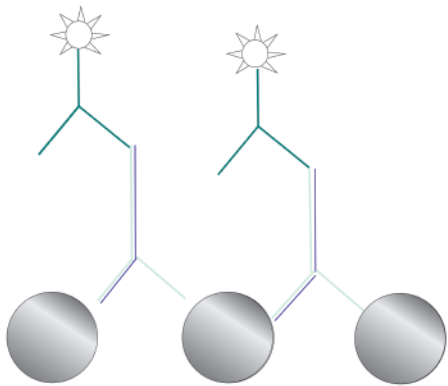


Tests should be done during Pregnancy

pregnancy	CMV	Rubella	HSV	Toxo
progestation	★	★	★	★
1st Trimester	★	★		★
2rd Trimester	★			
3rd Trimester	★		★	

Schematic of Magnetic Beads

IgG with indirect method



Enzyme labeled anti-human IgG antibody

Specific IgG antibodies in serum

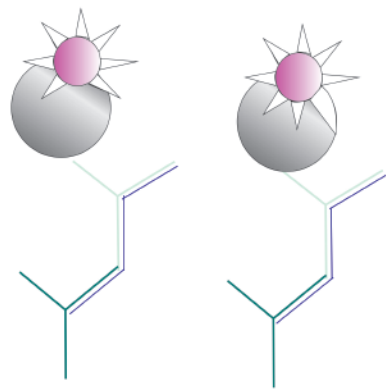
Coated antigen

IgM with capture method

Enzyme labeled specific antigen

Serum human IgM antibody

Coated with anti-human IgM antibody



Advantage

Advantages

Fully Automation Testing with Continuing Sample Loading.

Reagent on-board Stability and Calibration up to 28 days

Fully Ten Parameters with Seperate HSV-1 and HSV-2.

All Quantitative Results

Indirect Method for IgG and Capture Method for IgM.

Results around 40 min.

AutoLumo A2000 Plus

200T>>>800T



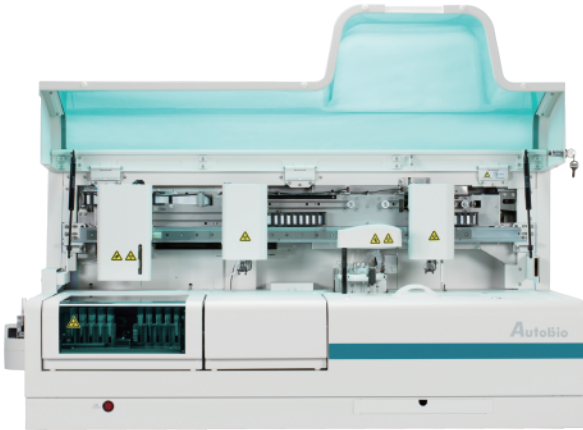
Autobio TORCH list

Cat No.	Product Name	Specification
CMK0102	Toxo IgM CLIA Microparticles	100T/K
CMK0202	CMV IgM CLIA Microparticles	100T/K
CMK0302	Rubella IgM CLIA Microparticles	100T/K
CMK0402	HSV-1 IgM CLIA Microparticles	100T/K
CMK0502	HSV-2 IgM CLIA Microparticles	100T/K
CMK0602	Toxo IgG CLIA Microparticles	100T/K
CMK0702	CMV IgG CLIA Microparticles	100T/K
CMK0802	Rubella IgG CLIA Microparticles	100T/K
CMK0902	HSV-1 IgG CLIA Microparticles	100T/K
CMK1002	HSV-2 IgG CLIA Microparticles	100T/K

All are CE marked

AutoLumo A1000

100T



INNOVATION · MANUFACTURE · INTEGRATION · SERVICE

Autobio Diagnostics Co., Ltd.

offers more than 600 in vitro diagnostic products including CLIA (microplate based CLIA and magnetic particle based CLIA), ELISA, POCT (Point of Care Test), Microbiology and Biochemistry. As an ISO9001 and EN ISO13485 manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a reliable partner. For details please visit en.autobio.com.cn. Autobio Diagnostics Co., Ltd. | NO.87 Jingbei Yi Rd | National Eco&Tech Zone | Zheng zhou City | China 450016.

You can find us on:

Facebook: @AutobioGlobal
Youtube Channel: Autobio Diagnostics
Email: info@autobio-diagnostics.com
WhatsApp: +8618595767835
Tel: +86 371 6200 7036



TORCH CLIA Microparticles

Fully Ten parameters, All Quantitative Result,
Fully Automation detection

