

TB-IGRA CLIA Microparticles

A New Generation of TB-IGRA From Autobio



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.
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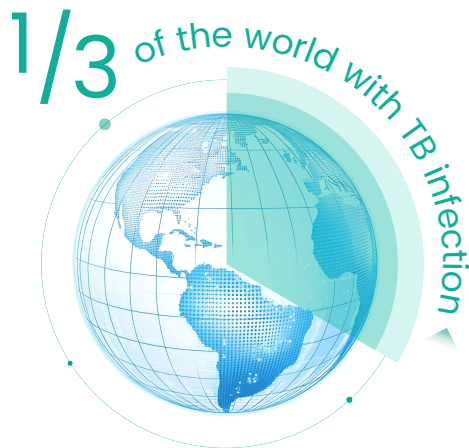


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➤ TB: A Global Multiorgan Infection

- Tuberculosis(TB) is a chronic infectious disease caused by the Mycobacterium tuberculosis complex. It is mainly transmitted through the air to the body's multiple organ system, especially the lung accounting for various organs. It can also affect organs such as liver, kidney, brain and lymph nodes.^[1]
- Tuberculosis patients often have fever, night sweats, fatigue, weight loss, loss of appetite, and cough blood. One third of the world's people currently have M. tuberculosis infection. And about 10% of them will develop into active tuberculosis.^[2]
- In recent years, interferon gamma release assay (IGRA) has been developed. The ELISA/CLIA and ELISPOT (ELISA/CLIA or ELISPOT) method adopts for the quantitative detection of IFN-γ level in whole blood containing CD4/CD8 or Peripheral blood mononuclear cell containing CD4/CD8 under the specific stimulation of tuberculosis antigens and was an aid in the diagnosis of tuberculosis.^[3]



➤ Autobio TB-IGRA, A sensitive, specific, and cost-effective TB screening solution

Autobio TB-IGRA CLIA Microparticles is CE marked.

- Autobio TB-IGRA CLIA Microparticles is based on the fully automated chemiluminescent microparticle immunoassay (CLIA Microparticles) for the qualitative detection of mycobacterium tuberculosis specific T cell immune response in fresh peripheral venous anticoagulant blood. More than 10 millions patients have been serviced by Autobio in more than 25 countries. The good reputation and reliable performance of Autobio have been trusted globally.



➤ Comparison with ELISA

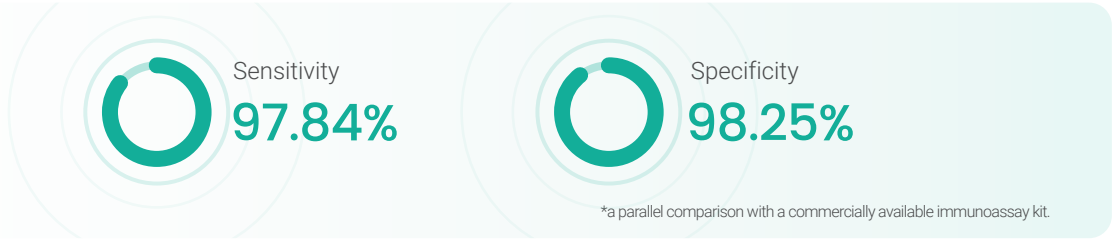
		Autobio TB-IGRA CLIA Microparticles	ELISA
User-friendly	Sample transfer	The whole sample pre-treatment is able to operate in the same tube, with loading in analyzer directly.	Samples need to be transferred at least once in manual operations (from tube to ELISA plate).
	Sample collection	More clever negative pressure settings for a faster sample collection experience.	More time is needed to wait to collect the suitable sample volume.
Cost-effectively	Sample management	Test on arrive, Don't need to wait.	Waiting enough sample.
	Detection time	First report time in 34 mins.	More than 3 hours to get the result.

➤ Autobio TB-IGRA CLIA Microparticles

Autobio TB-IGRA product matrix closely matched to market needs



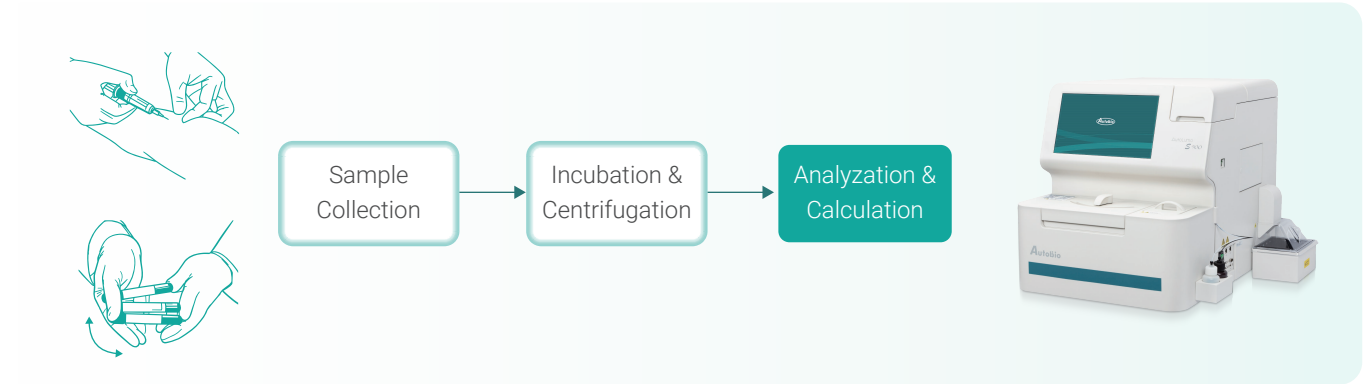
High sensitivity and specificity



Screening LTBI and Active TB, Unaffected by BCG Vaccine

The utilization of two specific antigens, ESAT-6 and CFP-10, allows the product to detect not only latent TB infection and active TB infection, but also to avoid the interference of Bacillus Calmette-Guerin, the Vaccine of TB.

The convenient operation



[1] Pai M, Jr R L J. Interferon-gamma assays in the immunodiagnosis of tuberculosis: a systematic review[J]. Lancet Infectious Diseases, 2004, 4(12):761-776.
[2] Tsiouris S J, Coetzee D, Toro P L, et al. Sensitivity Analysis and Potential Uses of a Novel Gamma Interferon Release Assay for Diagnosis of Tuberculosis[J]. Journal of Clinical Microbiology, 2006, 44(8):2844-2850.
[3] Sharma S K, Vashishtha R, Chauhan L S, et al. Comparison of TST and IGRA in Diagnosis of Latent Tuberculosis Infection in a High TB-Burden Setting[J]. Plos One, 2017, 12(1):e0169539.