



# Lymphotoxin- $\alpha$ Test Kit

The Lymphotoxin- $\alpha$  Test Kit (LTA-POC) is a rapid immunoassay test for *in vitro* quantitative detection of LTA protein in human tear samples. LTA-POC is intended for monitoring ocular surface immune homeostasis and facilitating clinical diagnosis of dry eye disease, as well as aiding in patient stratification and treatment selection. Used with Seinda's i-ImmunDx™ Analyzer, LTA-POC aids rapid, accurate diagnosis at the patient's side.

LTA is a valuable biomarker for the assessment of immune homeostasis. The ocular surface is continuously exposed to environmental agents such as allergens, pollutants, and microorganisms, which can provoke inflammation. The regulation of ocular immune tolerance is critical for the homeostasis and protection of the ocular tissues from pathogen invasion and immune-mediated inflammation and immune-mediated injury. Loss of immune homeostasis can lead to immunopathology and is thought to be an important factor in dry eye pathogenesis. The levels of LTA reflect the status of immune homeostasis in the ocular surface.

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Features:

- o Point-of-care test for a variety of contexts
- o Quantitative measurements with good precision
- o Rapid results (<15min)
- o High sensitivity and specificity



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**Step 1**

*Sample Collection*



**Step 2**

*Sample Loading*



**Step 3**

*Adding Buffer*



**Step 4**

*Processing Results*



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**Contact Us**

Email: [info@seindabio.com](mailto:info@seindabio.com)

Tel: +86 (20) 84131766