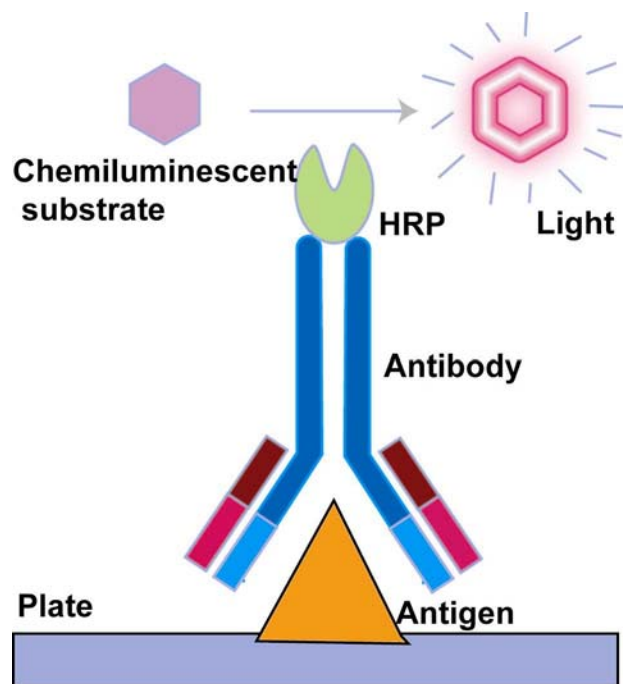


## Chemiluminescence Immunoassay (CLIA)

Chemiluminescence Immunoassay (CLIA) using Microplate luminometers provides a sensitive, high throughput, and economical way to quantitatively measure antigen in cell lysates, plasma, urine, saliva, tissue and culture media samples. Chemiluminescence Immunoassay does not require long incubations and the addition of stopping reagents, as is the case in conventional colorimetric assays such as Enzyme-linked Immunosorbent Assays (ELISA). Among various enzyme assays that employ light-emitting reactions, one of the most successful assays is the enhanced chemiluminescent immunoassay involving a horseradish peroxidase (HRP) labeled antibody or antigen and a mixture of chemiluminescent substrate, hydrogen peroxide, and enhancers. Our CLIA Kits are designed to detect glow-based chemiluminescent reactions. The kits provide a broader dynamic assay range, superior low-end sensitivity, and a faster protocol than the conventional Enzyme-linked immunosorbent assays (ELISA). Our series of the kits covers Thyroid function markers, Gonadal hormones, Tumor markers, Diabete marker, Cardiac marker and other markers. They can be used to replace conventional colorimetric ELISAs that have been widely used in many research and diagnostic applications.



Schematic Diagram of our Direct Chemiluminescence Immunoassay (CLIA) kit

Currently we have the following kits for detecting the following biomarkers for human samples ( we are testing the possibility of using those kits for samples from other species, and will update the information soon), we also have corresponding ELISA kits for those biomarkers if you prefer ELISA format:

A. Thyroid function series

- 1、 T3
- 2、 T4
- 3、 FT3
- 4、 FT4
- 5、 TSH
- 6、 TG-Ab
- 7、 TPO-Ab

B. Gonadal hormones series

- 1、 FSH
- 2、 LH
- 3、 PRL
- 4、 P
- 5、 T
- 6、 E2
- 7、 5 $\alpha$ -Androstane 3 $\alpha$
- 8、 17 $\beta$ -diol Glucuronide (3 $\alpha$  Diol G)

C. Tumor markers

- 1、 AFP
- 2、 CEA
- 3、 PSA
- 4、 f-PSA
- 5、 Ferr
- 6、 CA125
- 7、 CA15-3
- 8、 CA19-9

D. Cardiac markers

- 1、 MYO
- 2、 cTnI
- 3、 CK-MB
- 4、 hs-CRP 4

E. Renal series

1. Cys

F. Diabetes series

- 1、 INS 1, INS
- 2、 CP 2, CP

G. Other markers

- 1、 Aldosterone,
- 2、 Cortisol
- 3、 Dehydroepiandrosterone Sulfate (DHEAS)
- 4、 Estriol Saliva
- 5、 Estrone
- 6、 Estrone Saliva
- 7、 Plasma Renin Activity (PRA)
- 8、 Plasma Renin Activity (PRA)
- 9、 Progesterone
- 10、 Prostate-Specific Antigen, Total (PSA)
- 11、 Renin Activity
- 12、 Testosterone Saliva
- 13、 Testosterone, Free
- 14、 Thyroid Stimulating Hormone (TSH)
- 15、 Thyroxine, Free (fT4)