



Reagent Introduction





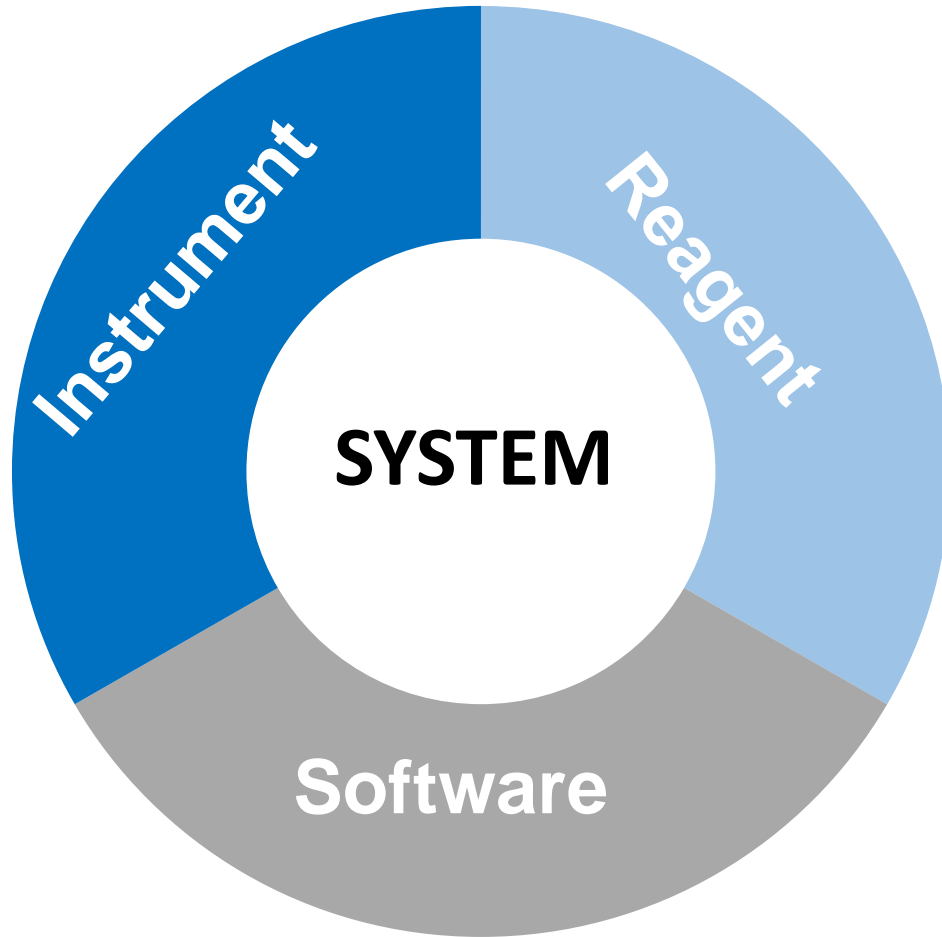
Part 1: Principle

Part 2: Reagent Component

Part 3: Comparison

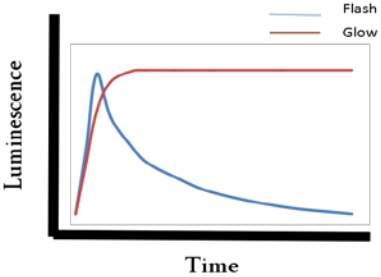
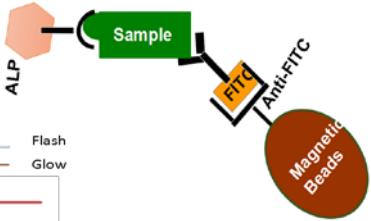
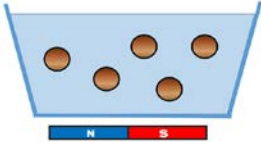
Part 4: Marketing Strategy



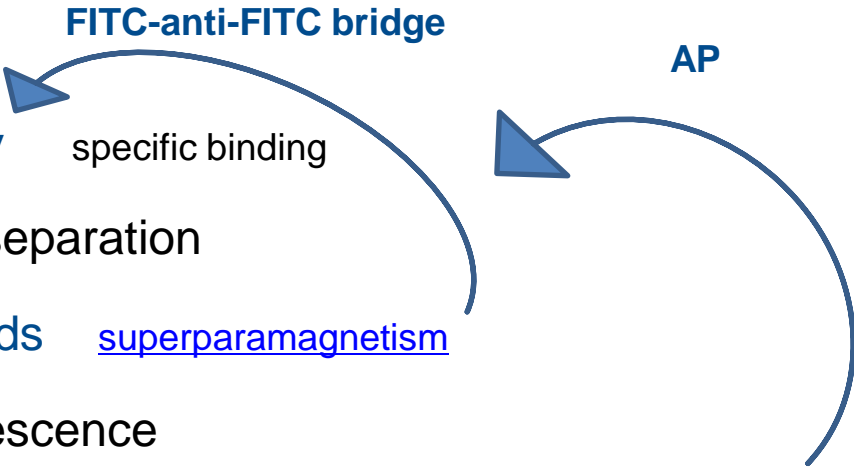


Technology Highlights

- **Principle: Glow Chemiluminescence based on Alkaline Phosphatase (ALP)**
- **Separation: Magnetic Microbeads**
- **FITC/anti-FITC connected bridge**
- **Innovative Substrate**

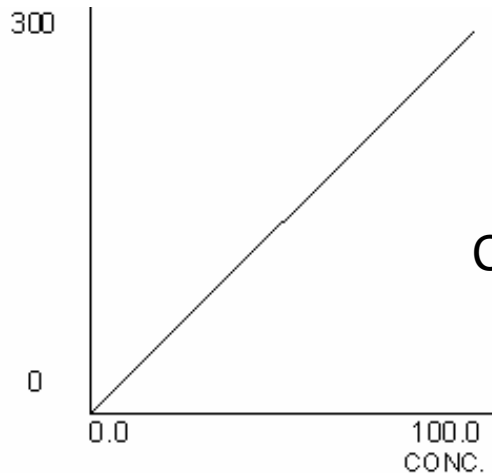


How CLIA Work?

- **Label** - immunoassay
 - antigen & antibody specific binding
 - **Separate** - magnetic separation
 - magnetic microbeads superparamagnetism
 - **Detect** - chemiluminescence
 - innovative substrate sustained, stable and efficient luminescence
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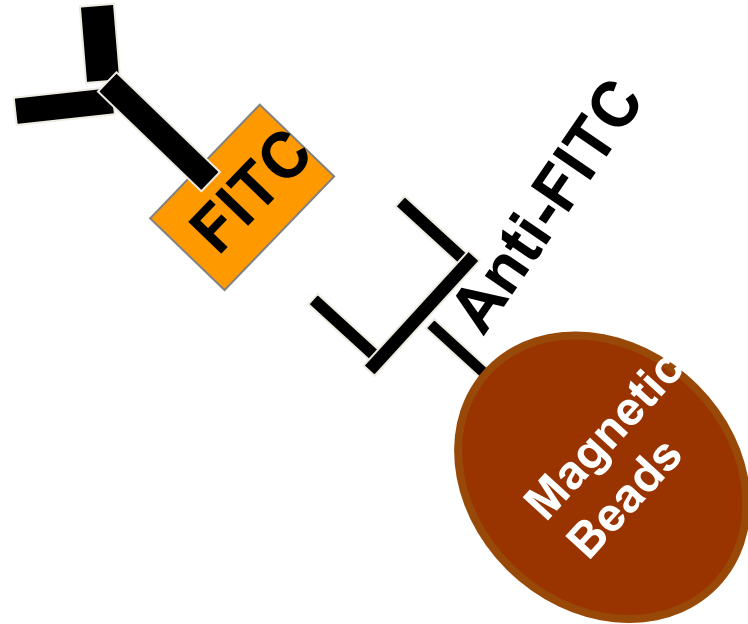
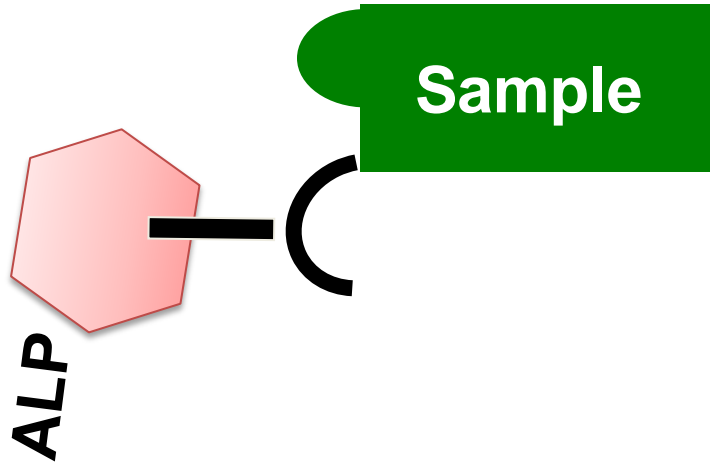
Sandwich Method

- Designed for high molecular weight analytes. i.e., TSH, PRL, FER.
- One antibody labeled by FITC and another antibody pair labeled by AP bind with the antigen in the sample, control or calibrator and form sandwich complex.
- Relative Light Units (RLU) is directly proportional to the concentration of the analyte



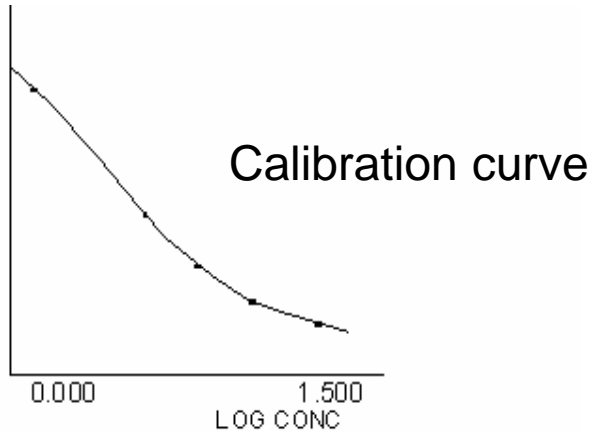
Calibration curve

Sandwich Method



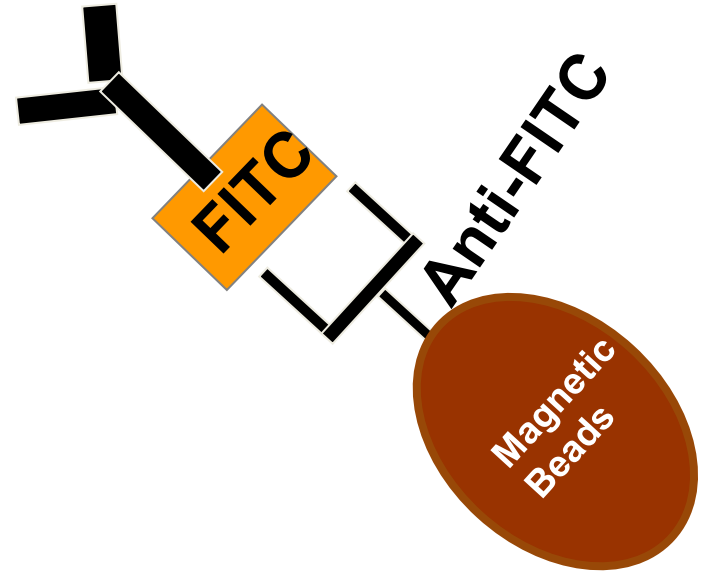
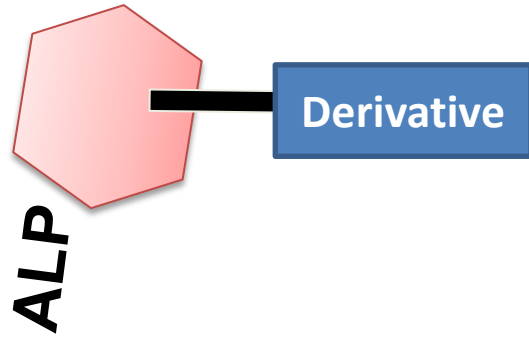
Competitive Method

- Designed for low molecular weight analytes.i.e. TT3, TT4, FT4, FT4,E2, PROG,TESTO,HA,25-OH-Vit-D,CG.
- Antigen in samples, calibrators or controls, competes with the derivative labeled by AP to bind the antibody labeled by FITC.
- Relative Light Units (RLU) is indirectly proportional to the concentration of the analyte.



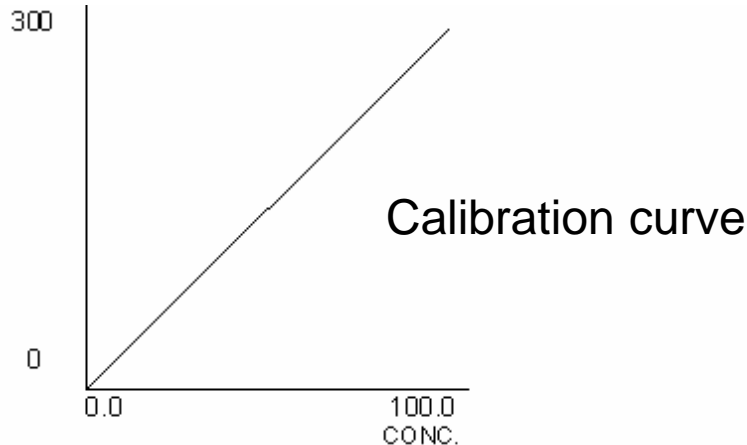
Competitive Method

Sample

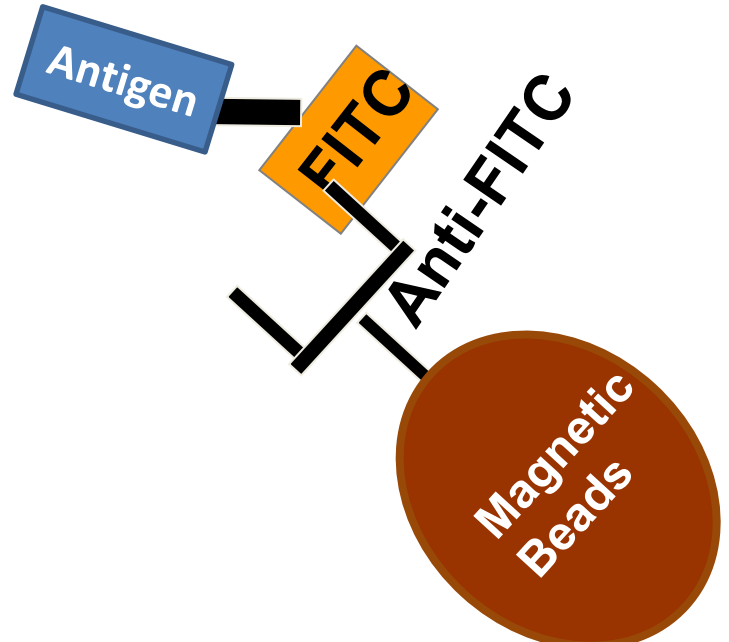
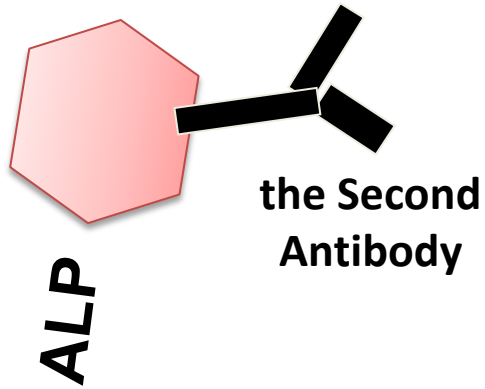
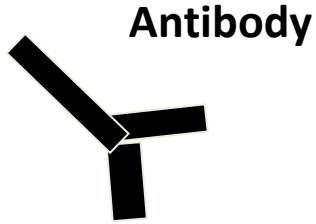


Indirect Method

- Designed for antibody.i.e. TGAb,TPOAb
- Antigen labeled by FITC and second antibody (anti-human IgG) labeled by AP bind with the antibody in the sample, control or calibrator and form sandwich complex.
- Relative Light Units (RLU) is directly proportional to the concentration of the analyte.



Indirect Method



Part 1: Principle

Part 2: Reagent Component

Part 3: Comparison

Part 4: Marketing Strategy



Reagent Component

➤ 100 tests package

Kit

- 1 Calibrator Low & Calibrator High
- 2 Quality control A & Quality control B
- 3 Antibody A/B (AP/FITC)
- 4 Magnetic microbeads

Consumables

- 5 Substrate
- 6 Diluent
- 7 System washing solution
- 8 Probe Washing Solution

(For CLx120 & CLx280)

- 9 Calibrator A-F/G (Optional)



Kit

Qualification Certificate
 Name: Immunoglobulins E (IgE)
Detection Kit (CLIA)
 Volume: 100T/Kit
 Lot. No.: _____
 QC.: _____

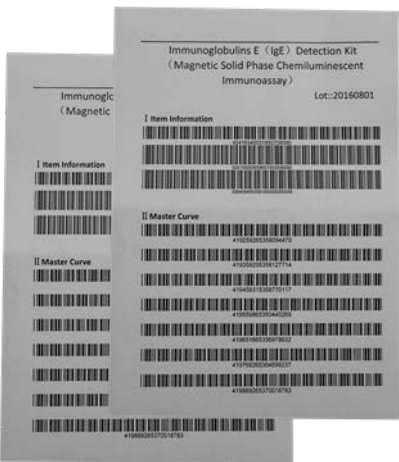
Qualification Certificate



Calibrator



Quality control



Master curve sheet

25-OH-Vit-D Quality Control

Code : CON1047-1/ CON1047-2
 Lot No. : 20160503
 Expiry Date : 05/02/2017
 Test method : Procedure is the same as sample assay.
 Storage : 2-8°C, avoid direct sunlight

Control	Unit	Range
25-OH-Vit-D Control 1	ng/mL	4.77-11.17
25-OH-Vit-D Control 2	ng/mL	41.42-86.56

QC Sheet



Antibody & Magnetic microbeads

Consumables



Substrate



Probe Washing Solution



Sample dilution



System washing solution

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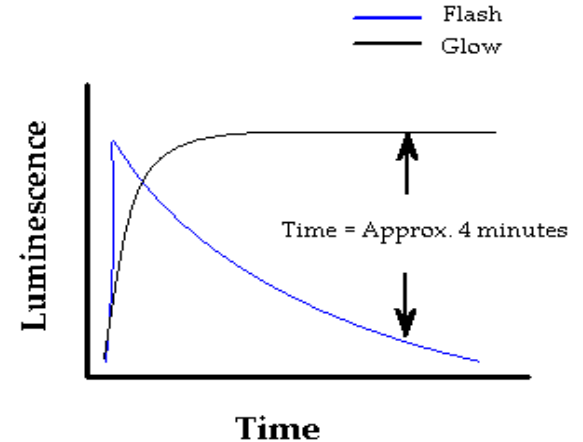
Types of Luminescence

Flash vs. Glow

Flash – rapidly decaying kinetic reaction (ECL)

eg: Acridinium ester

Time integration method



Glow – sustained equilibrium kinetic reaction (ChemiGlow)

eg: HRP-Luminol, AP-AMPPD, Xanthine oxidase

Rate method

Part 1: Principle

Part 2: Reagent Component

Part 3: Comparison

Part 4: Marketing Strategy



- **More than 100 parameters are available**
- **Good correlation coefficient with other famous products**
- **100 test kits provided**
- **More competitive price**
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- **After-sales service**





THANK YOU