Plan IAA ELISA

ELISA IAA

HRP TMB TMB

IAA 450nm OD

1. NaN3 NaN3 HRP
2.
3. 1000

2.

3. 0 S0 5 5

4.

5.

	96	48	
	12 ×8	12 ×4	
	0.3mL*6	0.3mL*6	
	6mL	3mL	
-HRP	10mL	5mL	
20×	25mL	15mL	
A	6mL	3mL	
B	6mL	3mL	
	6mL	3mL	
	2	2	
	1	1	
	1	1	

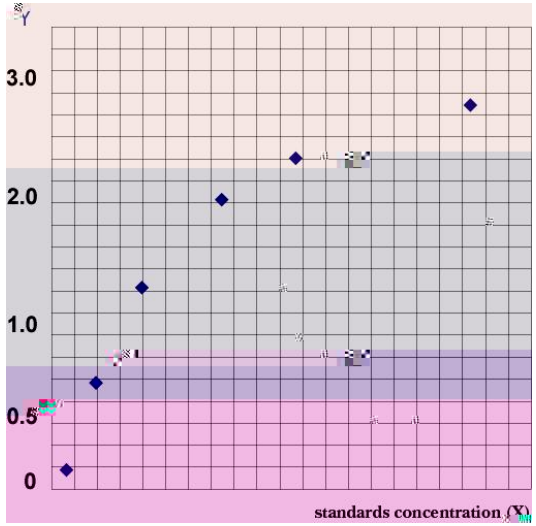
S0-S5 0 3 6 12 24 48 nmol/L

20× 1 20 1 20× 19

1. 1min 5

2. 350μL 1min 5

1. 20min 4
2. 50μL
3. 10μL 40μL
4. HRP 100μL 37 60min
5. 1min 5



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1. R 0.9900
2. 1.0 nmol/L
3.
4. 15%
5. 2-8
6. 6

_____

1.
2.

This IAA ELISA kit is intended Laboratory for Research use only and is not for use in diagnostic or therapeutic procedures.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of IAA in the sample, this IAA ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus IAA concentration. The concentration of IAA in the samples is then determined by comparing the O.D. of the samples to the standard curve.

1. Canôt detect the samples which contain NaN3, because NaN3 inhibits HRP activity of the horseradish peroxidase.
2. Extract as soon as possible after Specimen collection, Extracted according to the relevant literature.

- Remove particulates by centrifugation and assay immediately or aliquot and store samples at -20ÁC or -80ÁC. Avoid repeated freeze-thaw.

1. Standard microplate reader(450nm)

2. Precision pipettes and Disposable pipette tips.

3. 37 incubator

1. Do not substitute reagents from one kit to another. Standard, conjugate and microplates are matched for optimal performance. Use only the reagents supplied by manufacturer.

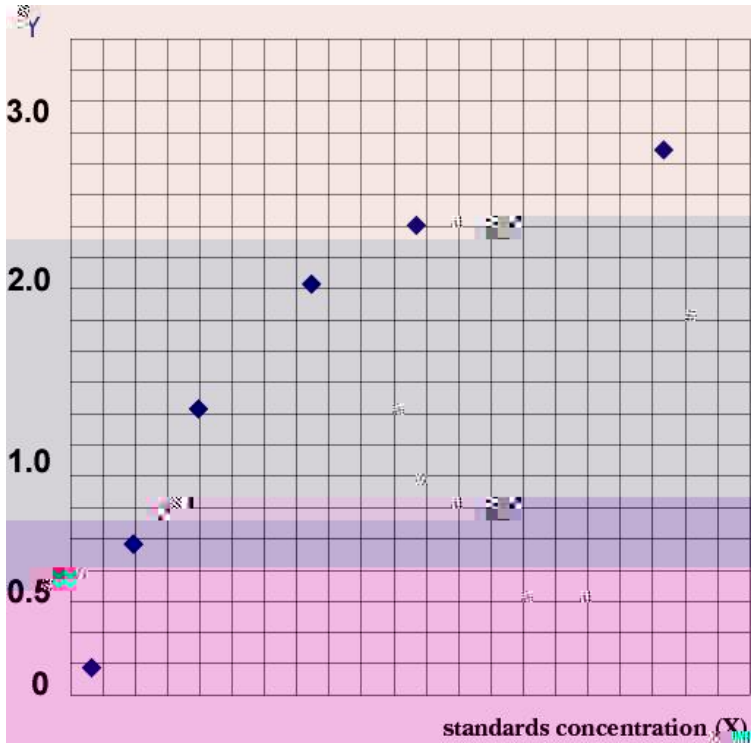
2. Do not remove microplate from the storage bag until needed. Unused strips should be stored at 2-8ÁC in their pouch with the desiccant provided.

3. Mix all reagents before using.

Remove all kit reagents from refrigerator and allow them to reach room temperature (20-25ÁC)

Name	96 determinations	48 determinations
Microelisa stripplate	12*8strips	12*4strips
Standard	0.3ml*6tubes	0.3ml*6tubes
Sample Diluent	6.0ml	3.0ml
HRP-Conjugate reagent	10.0ml	5.0ml
20X Wash solution	25ml	15ml
Chromogen Solution A	6.0ml	3.0ml
Chromogen Solution B	6.0ml	3.0ml

1. This standard curve is used to determine the amount in an unknown sample. The standard curve is generated by plotting the average O.D. (450 nm) obtained for each of the six standard concentrations on the vertical (Y) axis versus the corresponding concentration on the horizontal (X) axis.
2. First, calculate the mean O.D. value for each standard and sample. All O.D. values, are subtracted by the mean value of the zero standard before result interpretation. Construct the standard curve using graph paper or statistical software.
3. To determine the amount in each sample, first locate the O.D. value on the Y-axis and extend a horizontal line to the standard curve. At the point



Storage 2-8 .
validity six months.