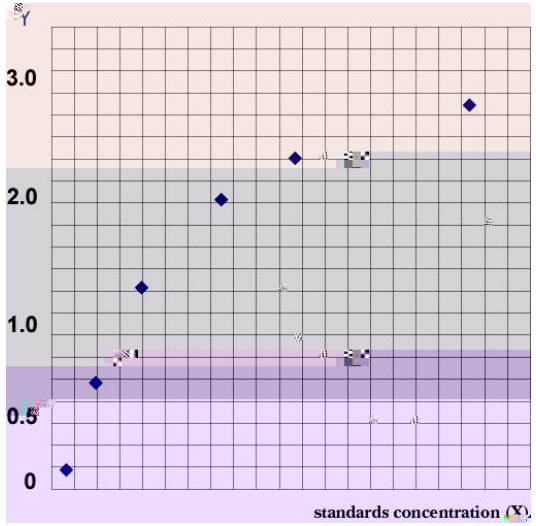


Y
3.0
2.0
1.0
0.5
0
standards concentration (X)

This SCD 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 SCD in the sample, this SCD 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 SCD concentration. The concentration of SCD in the samples is then determined by comparing the O.D. of the samples to the standard curve.

- Use a serum separator tube and allow samples to clot for 30 minutes before centrifugation for 10 minutes at approximately 3000Ǐg. Remove serum and assay immediately or aliquot and store samples at -20 or -80 .Avoid repeated freeze-thaw cycles

- Collect plasma using EDTA or heparin as an anticoagulant. Centrifuge samples for 30 minutes at 3000Ǐg at 2-8 within 30 minutes of collection. Store samples at -20 or -80 . Avoid repeated freeze-thaw cycles.

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



The samples shoule be centrifugated dequately and no hemolysis or granule was allowed.

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)

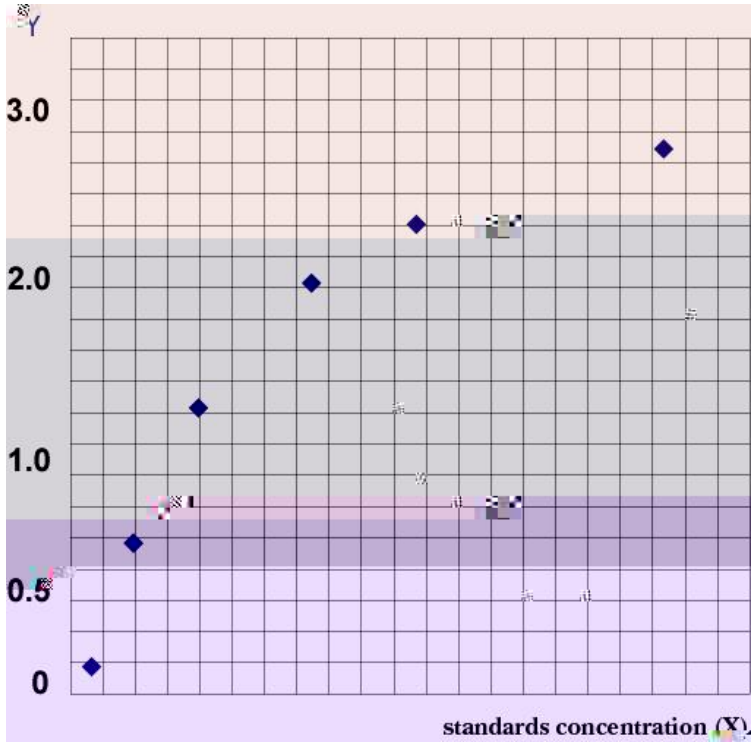
Closure plate membrane	2	2
User manual	1	1
Sealed bags	1	1

Standard (S0 Ÿ S5) concentration was followed by:0,10,20,40,80,160 U/L

20Ĭwash solution:Dilute with Distilled or deionized water 1:20.

1. Prepare all reagents before starting assay procedure. It is recommended that all Standards and Samples be added in duplicate to the

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 of intersection, draw a vertical line to the X-axis and read the corresponding concentration.
4. Any variation in operator, pipetting and washing technique, incubation time or temperature, and kit age can cause variation in result. Each user should obtain their own standard curve.
5. The sensitivity by this assay is 1.0 U/L
6. Standard curve



Storage 2-8 .
validity six months.