

Spiking Procedure for Soya

【Material】

SIGMA Soybean flour Type 1 (protein amount 53%, Cat.# S9633-500G)

【Procedure】

1. Mix 18.9 mg of Sigma soy flour and 10mL of distilled water.
(1mg soy protein/mL of suspended solution is prepared.)
e.g. 18.9 mg of Sigma soy flour contains 10 mg of soy protein [=18.9 x 0.53]
2. Vortex the solution, and mix on a rotary shaker for 30 min.
(finally confirm whether the solution is completely suspended.)

Note: When preparing each level of spiking sample,
it is recommended that the concentrated solution should be vortexed before adding.

Example: 10ppm level

1. Dilute the suspended solution of 1 mg/mL 10-fold,
(e.g. 0.1 mL of suspended solution and 0.9 mL of distilled water)
then 0.1 mg/mL suspended solution is prepared.
2. Add the 0.1 mL of 0.1mg/mL suspended solution into 1 g of matrix.
3. Proceed to the extraction procedure of ELISA Kit manual.