



User's Manual

Casein ELISA Kit

REF DEIA-FS02

 96T



RUO

This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

Creative Diagnostics

 **Address: 45-1 Ramsey Road, Shirley, NY 11967, USA**

 **Tel: 1-631-624-4882 (USA) 44-161-818-6441 (Europe)**  **Fax: 1-631-938-8221**

 **Email: info@creative-diagnostics.com**  **Web: www.creative-diagnostics.com**

PRODUCT INFORMATION

Intended Use

The Casein ELISA Kit is used to quantify levels of casein in raw and processed food, and uses an innovative extraction method to more accurately detect allergen levels.

FOR LABORATORY USE ONLY.

Storage

2-8°C

Specimen Collection And Preparation

The casein protein must first be extracted from the food sample by adding 19mL of extraction solution to 1g of ground food. The mixture is then heated, at boiling for 10mins or the mixture shaken for 12 hours at room temperature. The mixture's pH then needs to be adjusted to 6-8. The supernatant is removed and then diluted 20 fold after centrifuging the sample at 3000g for 20 minutes.

Assay Procedure

1. Add 100 µL of extracted sample or standard into the desired microplate wells
2. Incubate 1 hour at room temperature
3. Wash plate
4. Add 100 µL of enzyme conjugate
5. Incubate 30 minutes at room temperature
6. Wash plate
7. Add 100 µL of substrate solution
8. Incubate 30 minutes at room temperature
9. Add 100 µL of stop solution and measure OD at 450/630 nm

Precision

CV < 10%

Detection Range

0.31 -20 ppm

Sensitivity

0.31 ppm