

RDE (II) "SEIKEN"

This reagent (lyophilized) contains RDE (Receptor Destroying Enzyme), which is used to eliminate any non-specific inhibitors of hemagglutination in serum samples in the serodiagnosis of Influenza virus infection. It contains 2 mg of Kanamycin sulfate.

PRODUCT

Vibrio cholerae abnormal type 558 strain is grown in liquid culture broth, and the RDE produced is obtained by centrifuging the culture fluid and filter-sterilizing the supernatant. The filtrate is subsequently lyophilized.

PROCEDURES

1. Reconstitution

RDE (II) "SEIKEN" is reconstituted by adding 20ml sterile physiological saline to the vial.

2. RDE treatment of test serum

One volume of serum sample and three volumes of RDE solution are mixed well, and the mixture is allowed to incubate at 37 °C overnight (18 ~ 20 hours). RDE activity is stopped by heating the mixture at 56 °C for 30 ~ 60 minutes. RDE-treated serum is then used to test for the presence of influenza virus in serum.

DETERMINATION OF RDE TITER

1. Prepare human serum lacking any antibody inhibitory to influenza hemagglutination. Also prepare influenza type A and type B virus of the same type as selected for vaccination that year.
2. One volume of test serum and three volumes of RDE are mixed, and the mixture is allowed to incubate at 37 °C overnight (18 ~ 20 hours). RDE activity is stopped by heating at 56 °C for 30 ~ 60 minutes. Then, non-specific hemagglutinins to chicken RBCs are removed by absorption.
3. Using the above antigens, carry out a hemagglutination inhibition test, and confirm that the serum sample has no hemagglutination inhibition activity.

PRECAUTIONS

Use the reconstituted RDE promptly. The remaining RDE can be aliquoted and stored for up to 1 week when stored below - 20°C. Repeated freezing and thawing should be avoided.

STORAGE AND EXPIRATION

Storage: 2 ~ 10 °C

Shelf life: Up to expiry date on the label

PACKAGE

RDE (II) "SEIKEN" 20 ml equivalent x 5 vials (Product code: 340122)