



SF9 HCP ELISA Kit (DEIABL495)

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

PRODUCT INFORMATION

Size 96T

Intended Use

This kit is intended for use in determining the presence of host cell protein contamination in products manufactured by expression in SF9 insect host cells. The kit is for Research and Manufacturing Use Only and is not intended for diagnostic use in humans or animals. Users should validate this assay for use with their product samples.

Principles of Testing

The SF9 Insect Cell Host Cell Protein assay is a two-site immunoenzymetric assay. Samples containing SF9 insect cell proteins are reacted in microtiter strips coated with an affinity purified capture antibody. A second HRP labeled anti-SF9 insect cell antibody is reacted simultaneously, forming a sandwich complex of solid phase antibody-SF9 HCP-enzyme labeled antibody. The microtiter strips are then washed to remove any unbound reactants. After the washes, the substrate tetramethylbenzidine is then reacted. The amount of hydrolyzed substrate is read on a microtiter plate reader and is directly proportional to the concentration of SF9 insect cell HCPs present.

Reagents And Materials Provided

Anti-SF9:HRP: Affinity purified rabbit antibody conjugated to HRP in a protein matrix with preservative. 1x12mL

Anti-SF9 coated microtiter strips: 12x8 well strips in a bag with desiccant

SF9 HCP Standards: SF9 Insect Cell HCPs in a bovine serum albumin matrix with preservative. Standards at 0, 1, 3, 6, 12, 25, 50, and 100ng/mL. 1 mL/vial

Stop Solution: 0.5M sulfuric acid. 1x12mL

TMB Substrate: 3,3',5,5' Tetramethylbenzidine. 1x12mL

Wash Concentrate (20X): Tris buffered saline with preservative. 1x50mL

Storage

- All reagents should be stored at 2°C to 8°C for stability until the expiration date printed on the kit.
- Reconstituted wash solution is stable until the expiration date of the kit.
- After prolonged storage, you may notice a salt precipitate and/or yellowing of the wash concentrate. These changes will not impact assay performance. To dissolve the precipitate, mix the wash concentrate thoroughly and dilute as directed in the 'Preparation of Reagents' section.

Sensitivity The lower limit of detection (LOD) is defined as that concentration corresponding to a signal two

standard deviations above the mean of the zero standard. LOD is 0.3 ng/mL.

The lower limit of quantitation (LOQ) is defined as the lowest concentration, where concentration coefficients of variation (CVs) typically are <20%. The LOQ is 0.5 ng/mL.
