



User's Manual

S.aureus HCP ELISA kit



DEIABL493



96T





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

This kit has been specifically developed and validated for use in detecting *Staphylococcus aureus* HCPs in Protalex's Protein A product. The kit is for Research and Manufacturing use only and is not intended for diagnostic use in humans or animals.

Principles of Testing

The *Staphylococcus aureus* Host Cell Protein assay is a two site immunoenzymetric assay utilizing a "reverse sequential protocol". In this protocol the samples, standards, and controls are first incubated in uncoated test tubes or small microfuge vials together with HRP enzyme labeled *S. aureus* antibodies for 1 hour. After this first incubation the reactant mixture is then transferred to anti-HCP antibody coated microtiter wells and incubated for another hour. The microtiter strips are then washed to remove any unbound reactants. The substrate tetramethyl benzidine (TMB) is then reacted for 30 minutes. After the addition of a "stop" reagent, the amount of hydrolyzed substrate is read on a microtiter plate spectrophotometer. The intensity of the colored substrate product will be directly proportional to the concentration of *S. aureus* proteins present in the sample.

Reagents And Materials Provided

Anti-*S. aureus*:HRP: Affinity purified goat antibody conjugated to HRP in a protein matrix with preservative. 1x12mL

Anti-*S. aureus* coated microtiter strips: 12x8 well strips in a bag with desiccant

S. aureus HCP Standards: Growth media derived HCPs in bovine albumin with preservative. Standards at 0, 5, 20, 75, 200, and 500ng/mL. 1 mL/vial

Stop Solution: 0.5N sulfuric acid. 1x12mL

TMB Substrate: 3,3',5,5' Tetramethyl benzidine. 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.
- * The substrate reagent should not be used if its stopped absorbance at 450nm is greater than 0.1.
- * Reconstituted wash solution is stable until the expiration date of the kit.