



## E. coli STX2B [His] (DAG-H10050)

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

### PRODUCT INFORMATION

<b>Species</b>	E. coli
<b>Purity</b>	> 98 % as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Size</b>	20 µg, 50 µg
<b>Preservative</b>	None
<b>Storage</b>	Store it under sterile conditions at -70 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### BACKGROUND

#### Introduction

Enterohaemorrhagic E. coli (EHEC) in particular serotype O157:H7 have in recent years been associated with numerous high profile outbreaks of food and with many sporadic cases of infection worldwide. EHEC results in serious illness in about a third of all cases and chronic complications occur in smaller number of cases. Complications including haemorrhagic colitis, haemolytic ureamic syndrome and thrombotic thrombo-cytopaenic purpura can occur. The main sources of infection are contaminated, raw or insufficiently heated foods of animal origin, e.g. meat and dairy products. The reservoir for EHEC is in faeces of cattle, sheep and goats. These micro-organisms can enter food during the processing of meat, dairy and vegetable products if hygienic conditions are inadequate. E. coli O157 is gram-negative, indolepositive, oxidase negative, lactosepositive, rod shaped bacterium. E. coli O157 is distinct among E. coli due to its inability to ferment sorbitol. The drastic increase in the incidences of food poisoning caused by EHEC bacteria calls for a reliable and rapid method of its detection. CD EHEC Test is an immunological screening test based on the lateral flow principle and is designed to avoid time-consuming and intensive work steps.

#### Keywords

Enterohaemorrhagic E. coli; EHEC; E. coli; Migula; Castellani; Chalmers; Escherichia coli;

