**Gamma Glutamyl Aminopeptidase**
CK1265

**Background**
The substrate, gamma glutamyl aminopeptidase is used to distinguish between gonococci and meningococci.\(^1\) Gamma glutamyl transferase reacts with a colourless nitroanilide substrate bound to gamma glutamyl. The enzyme releases the nitroanilide which is yellow.

**Instructions**
Add 5 drops of water to the tube containing the reagent pellet.
Inoculate heavily from the test culture; one loopful from a fresh overnight culture should be adequate.
Incubate @ 37°C for 2-4 hours

**Interpretation**
The development of a yellow colour is a positive reaction. Negative results will be colourless. Neisseria meningitidis will give a positive reaction whilst Neisseria gonorrhoeae will give a negative reaction

OPTIONAL Positive reactions can be confirmed by addition of 1 drop of Spot Indole reagent (CK9053), a blue/purple colour is positive and yellow/red colours are negative

**Limitations**
Do not read beyond four hours as false positive reactions may occur.

**Quality Control**
This product should be tested prior to use with organisms of known reactivity. Positive & negative controls should be run in accordance with Good Laboratory Practice. Suggested organisms are:
Positive Klebsiella pneumonia ATCC 13883
Negative Eschericia coli ATCC 25922

**Storage & Shelf life**
Store containers, tightly closed at 0- 4°C.
Stored correctly the product has a shelf life in excess of 12 months.

**Health & Safety Information**
Each tablet contains L-gamma glutamyl-p-nitroanilide. This product in its pure state may be hazardous if inhaled, ingested or absorbed through the skin. The amount used in the tablet does not present a hazard when used as directed.

**Reference**
1 D’Amato et al 1978 Rapid Identification of N. gonorrhoeae and N meningitides by using enzymatic profiles J. Clin Microbiology 9,1