

SAFETY DATA SHEET

**Section 1 Chemical Name and Company Details**

**Gram Negative Identification Panel**

**Product code: GNID, GNID-CE**

TREK Diagnostic Systems Ltd.  
Units 17 – 19  
Birches Industrial Estate  
East Grinstead  
West Sussex  
RH19 1XZ  
UK

Tel: +44(0)1342 318777

Fax: +44(0)1342 318666

**Section 2 Composition and Information on Ingredients**

Microtitre panel containing 32 identification media:

**Sugar utilisation:-** Sorbitol, Xylose, Sucrose, Trehalose, Mannitol, Maltose  
Inositol, Fructose, Arabitol, Arabinose, Raffinose, Cellobiose

**Carbon source utilisation:-** Malonate, Citrate, Pyruvate, Agmatine

**Enzyme activity detection:-** FR1, FR12, FR9, FR3, FR8, FR4, FR10, FR5, FR7, FR6

**Decarboxylase:-** Ornithine, Lysine, Arginine

**Other:-** Aesculin, TDA, Urea

**Section 3 Hazards Identification**

This product is not classified as hazardous and no known health hazard is known to be associated with exposure to this product.

This product is however used in conjunction with bacterial cultures and any hazards associated with the cultures in use, should be recognised and appropriate additional precautions or actions taken.

**Section 4 First Aid Measures**

**Eyes:** Wash with copious amounts of water and see a physician if symptoms persist.

**Skin:** Wash with soap/water; consult a doctor if irritation develops.

**Ingestion:** Not applicable under normal conditions of use but seek medical attention if abdominal distress occurs.

**Inhalation:** Not applicable under normal conditions of use but seek medical attention if respiratory distress occurs.

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**Section 5 Fire Fighting Measures**

No special precautions are required in the event of fire. Use a fire extinguisher appropriate to local fire conditions

Other considerations:-

It may be possible for the plastic that comprises the panel itself to evolve toxic fumes, when dealing with a fire involving large numbers of panels self contained breathing apparatus would be recommended.

**Section 6 Accidental Release Measures**

Solid spills are unlikely under normal conditions of use as deliberate physical removal of well contents would be required, after reconstitution however a liquid spill could happen. In this event the spill would constitute a biohazard and should be removed by absorption, disinfection and all materials autoclaved or incinerated.

**Section 7 Handling and Storage**

Store at room temperature (15-25°C) in the original packaging.

**Section 8 Exposure Controls, Personal Protection**

In general no personal protection is required, but for this products intended use with bacterial cultures the usual precautions of a laboratory coat, safety glasses and appropriate gloves would be recommended.

Additional requirements may be indicated by assessment on use of any given bacterial species such as masks or safety cabinets.

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**Section 9 Physical and Chemical Properties**

96 well microtitre tray with three repeating patterns of thirty two dried thin film identification media.

**Section 10 Stability and Reactivity**

Stable under normal conditions of use and storage, avoid high temperatures and direct sun light as this may cause degradation of organic components.

**Section 11 toxicological information**

4-methyl-umberliferone (4MU), 7-amino-4-methyl coumarin (7AMC) and  $\alpha$ -cyclodextrin are all classified as irritant in their unadulterated state, some of the unclassified conjugated substrates that contain 4MU and 7AMC are also likely irritants. At the levels of use and with even these low levels locked away in a thin film in the bottom of the microtitre well it is not likely that irritation to an operator can occur. All other components of the media present are classified as non hazardous and as such pose no risk. (a COSHH information sheet is available on request).

**Section 12 Ecological Information**

No relevant studies have been identified.

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**Section 13 Disposal Considerations**

Unused panels should be disposed of as non hazardous waste according to local/federal waste disposal regulations.

Panels inoculated with bacterial cultures should be sterilised by autoclaving or incineration prior to disposal according to local/federal waste regulations.

**Section 14 Transport Information**

This is a non hazardous material no special EU or US shipping regulations/restrictions affect the shipping of this product.

**Section 15 regulatory information**

**Risk phrases:** none

**Safety phrases:** none

**EC classification:** none

**Section 16 other information**

- 1) The above information is believed to be correct but does not purport to be all inclusive and should only be used as a guide. TREK shall not be held responsible for any damage resulting from handling or contact with the above material.
- 2) This MSDS complies with REACH (2007) and CHIP (1993).

Version: CID7565/V1.3