

MICROGEN BIOPRODUCTS LTD



MICROGEN[®] GN A + B - ID

A BIOCHEMICAL IDENTIFICATION SYSTEM FOR THE COMMONLY ENCOUNTERED *ENTEROBACTERIACEAE*

- Convenient 12 substrate identification system for the commonly encountered *Enterobacteriaceae*
- Results in 48 hours
- Simple and easy-to-use
- Results interpreted using new Microgen-ID System Software (registered users are entitled to free database updates)

Protecting Food and Health

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The Microgen® GNA-ID System is for the identification of the commonly encountered *Enterobacteraceae* from food or medical samples including urinary samples and common wound isolates. For wider clinical applications and for veterinary and industrial samples, all currently recognised species of *Enterobacteraceae* and an extensive range of oxidase-positive Gram Negative Bacilli can be identified using the combination of Microgen® GN A + GN B identification systems.

The Microgen® GNA-ID comprises of only 12 substrates which are specifically selected to optimise the identification of the most commonly encountered oxidase negative Bacilli including the family *Enterobacteriaceae* and *Acinetobacter* spp. Other systems use 20 to 30 substrates to achieve the same levels of identification making the Microgen® GNA-ID a faster and clearer system.

As with all Microgen Bioproducts biochemical ID systems, Microgen GNA + B-ID systems are supported by the simplest-to-use and most feature-packed Computer Identification System Software (MID60) available, delivering the most comprehensive and up-to-date databases which registered users can update free-of-charge.

The following organisms are included in the GNA database within the Microgen® Identification System Software:

<i>Acinetobacter baumannii</i>	<i>Morganella morganii</i>
<i>Acinetobacter lwoffii</i>	<i>Proteus mirabilis</i>
<i>Acinetobacter haemolyticus</i>	<i>Proteus vulgaris</i>
<i>Citrobacter freundii</i>	<i>Providencia rettgeri</i>
<i>Citrobacter diversus</i>	<i>Providencia stuartii</i>
<i>Edwardsiella tarda</i>	<i>Providencia alcalifaciens</i>
<i>Enterobacter aerogenes</i>	<i>Salmonella Group I</i>
<i>Enterobacter cloacae</i>	<i>Salmonella typhi</i>
<i>Enterobacter agglomerans</i>	<i>Salmonella cholerae-suis</i>
<i>Enterobacter gergoviae</i>	<i>Salmonella paratyphi A</i>
<i>Enterobacter sakazakii</i>	<i>Salmonella gallinarum</i>
<i>Escherichia coli</i>	<i>Salmonella pullorum</i>
<i>Escherichia coli - inactive</i>	<i>Salmonella Group II</i>
<i>Shigella dysenteriae (Group A)</i>	<i>Salmonella Group IIIa</i>
<i>Shigella flexneri (Group B)</i>	<i>Salmonella Group IIIb</i>
<i>Shigella boydii (Group C)</i>	<i>Salmonella Group IV</i>
<i>Shigella sonnei (Group D)</i>	<i>Salmonella Group V</i>
<i>Hafnia alvei</i>	<i>Salmonella Group VI</i>
<i>Klebsiella pneumoniae</i>	<i>Serratia marcescens</i>
<i>Klebsiella oxytoca</i>	<i>Serratia liquefaciens</i>
<i>Klebsiella ozaenae</i>	<i>Serratia rubidaea</i>
<i>Klebsiella rhinoscleromatis</i>	<i>Yersinia enterocolitica</i>

All of the currently recognised species of *Enterobacteriaceae* and an extensive range of Oxidase Positive Gram Negative Bacilli can be identified using the combination of the Microgen® GNA + GNB identification panels i.e. 24 substrates.

Additional reagents available:

- MID61A Nitrate A reagent
- MID61B Nitrate B reagent
- MID61C VP I reagent
- MID61D VP II reagent
- MID61E TDA reagent
- MID61F Indole Kovacs reagent
- MID61G Oxidase Strips
- MID61H Mineral oil
- MID61K PYR reagent

Identification Systems available:

- MID-64 Microgen GN-ID A
- MID-65 Microgen GN-ID B
- MID-66 Microgen Bacillus-ID
- MID-67 Microgen Listeria-ID
- MID-69 Microgen Staph-ID