

Microgen® Bacillus-ID

An identification system for mesophilic *Bacillus* species and related genera associated with food poisoning and food spoilage.

- Simple and easy-to-use 24 reaction system
- Results in 48 hours
- Results interpreted using Microgen® ID system software

Microgen® Bacillus-ID has been developed for the identification of mesophilic *Bacillus* spp. and related genera isolated from food, food ingredients and beverages either as food spoilage or food poisoning organisms.

B. cereus and, to a lesser extent, *B. licheniformis* are well known as causative agents of food poisoning. Numerous other species, and related genera including *B. pumilus*, *B. thuringiensis*, *B. brevis*, *B. mycoides*,



Paenibacillus alvei, *B. circulans* and *B. sphaericus*, have also been reported as causing food poisoning.

The identification of these species has been difficult due to a combination of factors including:

- Confusion over the taxonomy of *Bacillus* spp.
- Variable performance in conventional biochemical test media
- Extensive range of conventional biochemical media required
- Reliance on microscopic endospore morphology

Microgen® Bacillus-ID overcomes all of these problems with a simple, user friendly identification system presented in a convenient microwell format.

Simple 24 reaction format

Easy to use

Results interpreted using
Microgen-ID system software

Microgen[®] Bacillus-ID

Mesophilic *Bacillus* spp. identified by the test:

B. cereus group (includes *B. cereus*, *B. thuringiensis*, *B. mycoides* and *B. weihenstephanensis*).

Bacillus species

- *B. amyloliquefaciens*
- *B. badius*
- *B. circulans*
- *B. coagulans*
- *B. firmus*
- *B. freudenreichii*
- *B. globisporus*
- *B. insolitus*
- *B. laevolacticus*
- *B. lentus*
- *B. licheniformis*
- *B. megaterium*
- *B. pumilus*
- *B. sphaericus*
- *B. subtilis*
- *B. thiaminolyticus*

Related species

Brevibacillus species

- *Br. brevis*
- *Br. laterosporus*

Paenibacillus species

- *P. alvei*
- *P. macerans*
- *P. polymyxa*

Virgibacillus species

- *V. pantothenicus*

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

Ordering Information:

Code	Description	Size	Storage
MID-66	Microgen [®] Bacillus-ID	20 tests	2 - 8°C

If you need any further information on any of the above tests please contact Microgen Bioproducts Ltd.

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BIOPRODUCTS

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