Based on an innovative bacteriology technique using a liquid microwell culture, Speed™ Biogram identifies bacteria and provides a sensitivity profile.

AN ALL-IN-ONE CULTURE & SENSITIVITY TEST DESIGNED FOR IN CLINIC USE

Identification within 48h:
7 pathogens frequently implicated in veterinary medicine:
- Staphylococcus spp.*
- Streptococcus spp.
- Pseudomonas
- Proteus
- Escherichia coli
- Enterobacteriaceae
- Malassezia

Sensitivity profile within 24h:
15 antibiotic options available for vet-practitioner:
- Amoxicillin
- Amoxicillin + Clavulanic acid
- Cefalexin
- Ceftiofur
- Doxycycline
- Flumiquine
- Enrofloxacin
- Marbofloxacin
- Spiramycin
- Clindamycin
- Neomycin
- Gentamicin
- Sulfonamide + Trimethoprim
- Fusidic acid
- Polymixin B

Identification and sensitivity profile in the same test

PROVEN AND ACCURATE RESULTS
- Each batch of Speed™ Biogram is validated in an ISO 9001 quality system using a panel of pure ATCC® strains and wild strains referenced at concentrations between 10^3 to 10^6 CFU/mL.
- For clinical strains, Speed™ Biogram demonstrates 96% concordance for identification and 96% concordance for sensitivity profile.

PERFORMING THE TEST

1 - Preparing the sample

- **Skin & ear swab:** Stir the swab vigorously in the preservative medium (green cap) to transfer the sample into the medium. On withdrawal of the swab make sure to remove as much liquid as possible (by pressing all sides of the swab against the bottle wall).

- **Urine sample:** Using the pipette provided, add 2 drops of urine to the preservative medium (green cap). Then replace the cap and shake the bottle to homogenise the contents.

2 - Inoculating the Culture Medium

Through the included dropper cap, place 4 drops of the prepared preservative medium (green cap) into the bottle of culture medium (yellow cap). Close the bottle of Culture medium and shake well to homogenise the contents.

3 - Inoculating

Open the Speed Biogram plate, record the name of the animal and the date of culture on the lid then peel back the lid of the plate and stick onto the plate edge to enable well identification.

- Through the dropper cap, distribute 3 drops of the inoculated culture medium (yellow cap) into each well of the plate.

- In the Staphylococcus identification well (STAPH), add 2 drops of Staph supplement (red cap).

- Then add 2 drops of Paraffin oil to each well. EXCEPT PSEUDO, E. COLI and STAPH wells.

Important notes:

- Peel the clear plastic back off the lid and place firmly back over the plate as before, creating a seal.

- Place the plate on the rigid card holder to improve the reading and maintain a homogeneous temperature.

4 - Culture

After inoculation, immediately incubate at +37°C in an incubator or on a calibrated hot plate.

Please see the product insert for full precautions and instructions.

READING THE TEST

**After 24h at +37°C**

- Read control wells to validate the test
  - Well turns to red or contains red streaks
  - Well remains colourless
  - Presence of bacteria in the sample
  - Absence of bacteria in the sample

- Read each antibiotic well to determine sensitivity profile
  - Antibiotic well
  - No colour change
  - Colour change from colourless to red
  - No bacterial growth Bacteria **SENSITIVE** to the antibiotic
  - Bacterial growth Bacteria **RESISTANT** to the antibiotic

**After 48h at +37°C**

- Read identification wells
  - STAPH Staphylococcus spp.
    - Absence
    - Presence
  - E.COLI Escherichia coli
    - Absence
    - Presence
  - PROTEUS Proteus spp.
    - Absence
    - Presence
  - ENTEROBACT Enterobacteriaceae family
    - Absence
    - Presence
  - MALASSEZIA Malassezia spp.
    - Absence
    - Presence

CONVENIENT FOR DAY-TO-DAY PRACTICE

- Available in boxes of 5 tests including all needed reagents**
- 16-month shelf life when refrigerated (between +2°C and +8°C)
- Result cards included for easier owner communication

* E. coli and Proteus are Enterobacteriaceae  **Thermostatic incubator not provided