





Speed™ Biogram

Your first-line 'in-house' bacteriology test



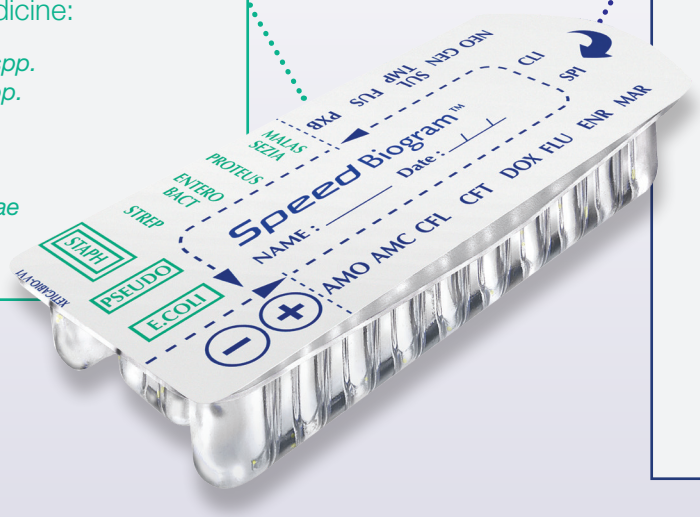
AN ALL-IN-ONE CULTURE & SENSITIVITY TEST DESIGNED FOR IN CLINIC USE

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

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
- Flumequine
- 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(1) 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(2) and 96% concordance for sensitivity profile(3)

1. ATCC: American Type Culture Collection 2. Reference identification on gel agar 3. Reference sensitivity profiles obtained using the standard antibiogram method.



Shaping the future of animal health

Virbac

Speed™ Biogram instruction sheet

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

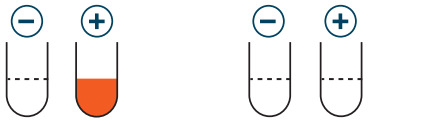
After inoculation, immediately incubate at +37°C in an incubator or on a calibrated hot plate.

Please see the product insert for full precautions and instructions.

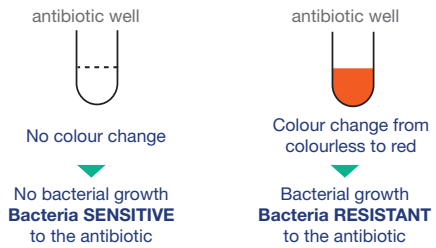
READING THE TEST

After 24h at +37°C

- **Read control wells to validate the test**

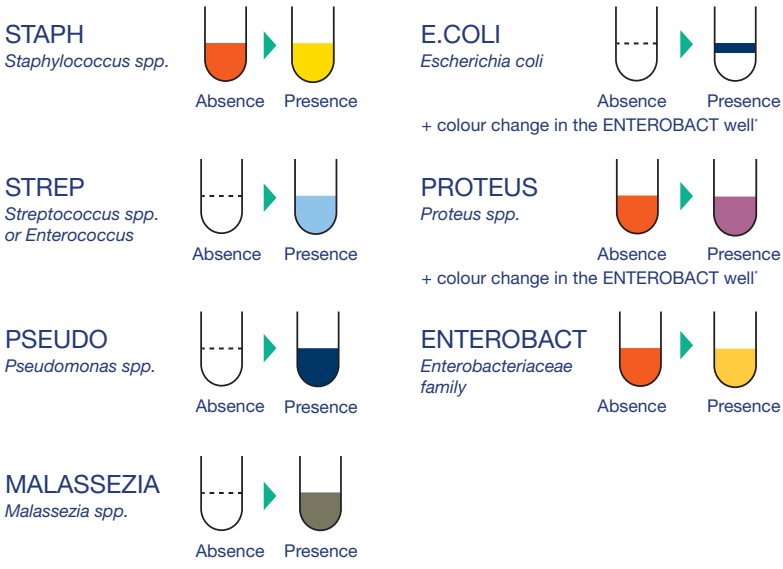


- **Read each antibiotic well to determine sensitivity profile**



After 48h at +37°C

- **Read identification wells**



CONVENIENT FOR DAY-TO-DAY PRACTICE

- Available in boxes of 5 tests including all necessary reagents*
- 16-month shelf life when refrigerated (between +2°C and +8°C)



- Result cards included for easier owner communication



** Thermostatic incubator not provided*