Stop chronic ear infections before they start.

Otter®

Otter eQ: Quorum Sensing Technology

The Otter® from QSM Diagnostics is an advanced instrument using Quorum Sensing Technology designed to help veterinarians diagnose and monitor bacterial infections in dogs and cats.

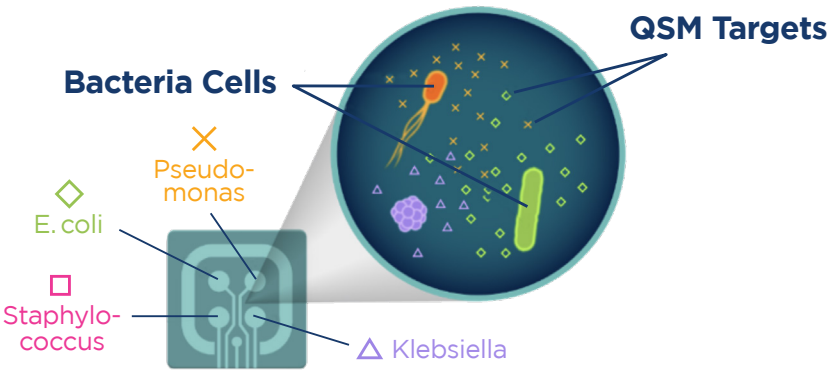
Point-of-Care Testing

- **Diagnose the infection correctly the first time**
- **Provides fast results** – Results in as little as 5 minutes.
- **Helps provide better antimicrobial stewardship**
- **Additional revenue for your practice** – The Otter is a cost-effective solution for culture ID and can be bundled with your cytology for additional revenue.

Future cartridges:

- Multiplexed (7 common bacterial species)
- Fungal (3 common yeast species)
- Parasite (2 protozoa and 3 worms)

Otter eQ in action



QSMDiagnostics®

Learn more at **qsmdiagnostics.com**

Email: sales@qsmdiagnostics.com | +1 (617) 579-2004: opt 4

Ear Swab Study Results

QSM Diagnostics conducted a study to examine the accuracy of identifying Pseudomonas on cytology.

- 304 ear swabs collected from 9 different hospitals and specialty clinics
- First analyzed by cytology by LVTs or Veterinarians
- Sent to IDEXX BioAnalytics Lab for Bacterial Culture ID

INSTRUCTIONS

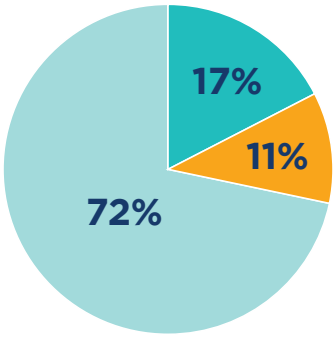
Cytology Exam Result vs. Bacterial Culture ID Result

	YES Rod-shaped bacteria identified on culture	**NO** Rod-shaped bacteria identified on culture
Rods SEEN on cytology	**199**	**59***
Rods NOT SEEN on cytology	**14**	**32**

*Includes 9 samples where no bacteria grew in culture

Accuracy, sensitivity and specificity of humans identifying rod-shaped bacteria during cytology exam

Accuracy	**76%**
Sensitivity	**93%**
Specificity	**35%**



Species of Rods on Ear Swab Culture after Cytology (N=258)

- Pseudomonas Only
- Pseudomonas with Other Rod Bacteria
- Other Rod Bacteria Only

How many of the rods "seen" on cytology are actually Pseudomonas?

- Cytology results marked rods on 258 of the 304 samples
- Only **29%** of these samples were positive for Pseudomonas in culture

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