



Press Release

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Global One Health team unites against AMR!

In late 2020, amid a global pandemic, three global agencies united to form the first Global Leaders Group on Antimicrobial Resistance (AMR) emphasizing the cross-industry nature of AMR.¹ Indeed, AMR is truly a One Health problem meriting a One Health resolution. Practicing veterinarians lacked viable tools to join the battle of AMR while continuing to meet client expectations for animal care – until now. Vetranomix boasts the first quantitative PCR (qPCR) testing capability for a broad range of pathogenic targets in veterinary medicine. When combined with Vetranomix's antibiotic resistance (ABR) panel, veterinarians eliminate the guesswork surrounding treatment making the first prescription, the correct prescription. Vetranomix isn't just veterinary medicine's most advanced weapon in the war on AMR; Vetranomix elevates the standard of care for our clients' most loved family member – their pets. To celebrate the establishment of such an incredible global One Health effort, veterinarians can use the **code OneHealth** when setting up their Vetranomix account to **unlock a 10% discount** on the first sample submission!

Background

Antimicrobial resistance is surely an inevitable problem. However, the scope of the resistance and its impact on human and animal health is not without recourse! Many practitioners scoff, perhaps most do so privately, at industry recommendations such as, "Assess how often samples are submitted for culture and susceptibility testing (as a percentage of cases)."² Practitioners recognize the inherent flaws in the inference that all antimicrobial prescriptions should be based on a culture and sensitivity result. Flaws such as:

- Turnaround time (typically 5 days to 4 weeks)
- Sensitivity
- Specificity
- Accuracy
- Cost

Until now, veterinarians and pet owners were left without a real option for implementing effective antimicrobial stewardship practices in every day clinical protocols. Until now! Vetranomix offers veterinarians and their clients a sensitive, specific, accurate and quick diagnostic to identify multi-pathogen infection causes *and* assess likely antimicrobial resistance

1. *From the World Health Organization. Accessed 2/21/21 at <https://www.who.int/groups/one-health-global-leaders-group-on-antimicrobial-resistance>*
2. *From the AVMA's "Veterinary checklist for antimicrobial stewardship." Accessed 2/21/21 at <https://www.avma.org/sites/default/files/2020-06/Veterinary-Checklist-Antimicrobial-Stewardship.pdf>*

with the VetraTest! The VetraTest is a patented quantitative PCR and AMR panel that is affordable!

The major drawbacks to generic PCR testing in the clinical setting are lack of pathogen viability indicators and no method for assessing antibiotic sensitivity of the offending agent. Thus, a clinician might receive a positive PCR result and still not be confident that the genetic material found by the analysis isn't simply contaminant. Proceeding to treatment would still require an empirical guess as to antibiotic sensitivity and, if guessed incorrectly, could contribute to the ever-present danger of growing antimicrobial resistance.

Enter Vetranomix and qPCR. While legacy PCR provides a qualitative result, qPCR provides a quantitative result demonstrating a clearer picture of the pathogen population in the sample. Beyond determining which pathogen is viable and thus producing a large population compared to others in the sample, qPCR with ABR also provides information on which, if any, antibiotic resistance genes are present in the pathogens in the sample thereby guiding clinical choice for first antibiotic based on data, rather than a clinician's gut feeling.

Vetranomix was founded by laboratory professionals in an effort to provide veterinarians a real weapon in the war on antimicrobial resistance. By cutting the traditional 3-4 day turnaround time of culture and sensitivity with increased sensitivity and specificity, and providing scientifically-sound guidance on first choice antibiotic, veterinarians now have an affordable tool in the fight against antimicrobial resistance. This revolution in veterinary clinical diagnostics is surely, "an unanticipated solution to a long-standing problem."

Join us in recognizing the veterinary practitioner's crucial role in the battle against AMR! Help us answer the question, "When can we expect your first laboratory sample submission at Vetranomix?"

Clinicians using the **code OneHealth** to set-up an account with Vetranomix **receive 10% off** their first sample submission. Please contact Leah@vetranomix.com with questions or to set up your account. Want more info? Leah has that, too!

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