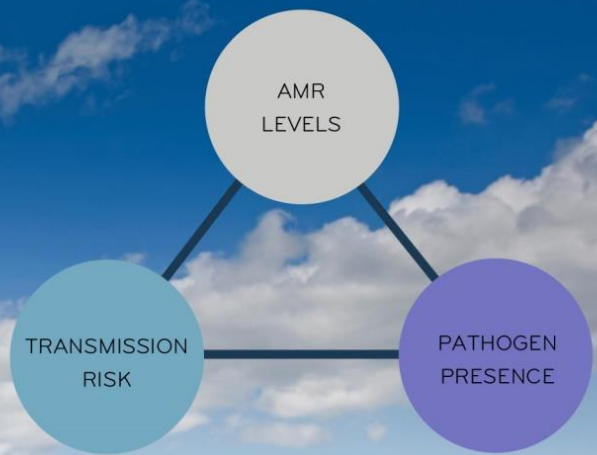# Q·resist

AMR LEVELS

TRANSMISSION RISK

PATHOGEN PRESENCE

ANTIMICROBIAL RESISTANCE MONITORING AND
DETECTION OF PATHOGENIC BACTERIA

Antimicrobial resistance and food safety are issues on the minds of regulators and the general public. What policies have you implemented? Is there more that can be done?

Q-resist enables you to monitor the development of known antimicrobial resistance elements in your operation. Through genomics, these levels can be monitored in real-time in all animal production systems and allow you to respond to the results as needed.

Q-resist can also be used to detect the presence of certain pathogenic bacteria that cause significant health risks to humans and animals.

quantum genetix

HOW TO OBTAIN AMR NEUTRAL STATUS

Q·resist

HOW MUCH ANTIMICROBIAL RESISTANCE EXISTS?
Quantify and monitor the level of antimicrobial resistance (AMR).

AMR LEVELS

7 DRUG CLASSES
Macrolides, Tetracyclines, Beta Lactams, Chloramphenicols, Quinolones, Vancomycin, Colistin

TRANSMISSION RISK

PATHOGEN PRESENCE

WHAT IS THE POTENTIAL TO SPREAD AMR?
Determine the risk of transmitting and increasing AMR in the animal environment.

IS THERE A FOOD SAFETY RISK?
Detect and quantify the presence of critical pathogens: STEC E.coli and Salmonella.

START HERE

REPEAT FOR ALL PENS

- Collect fecal samples from arriving animals
- Send samples to Quantum
- Receive lab report
- Receive lab report
- Send samples to Quantum
- Collect fecal samples 4 weeks prior to shipping
- Send lab report to 3rd party verification
- Receive 'AMR Neutral Status'
- Repeat the process for all other pens