



Veterinary diagnostics
for livestock production
and performance



Sci-Tech, part of Cawood Agriculture, supports farmers, vets, and animal health professionals with quality microbiological and serological testing services for porcine, poultry, cattle, and gamebird production.

Sci-Tech offers a wide range of specialist serology and PCR screening tests including, but not limited to, Mycoplasma, Influenza, Infectious Bronchitis, Salmonella pullorum/gallinarum, and PRRS.

We work closely with vets, farmers, and the industry to develop innovative solutions to meet market demand and respond to new challenges. We also serve individual customer requirements providing data for specific projects.



Our PCR & serology testing services

PCR detects DNA/RNA to confirm the presence of specific pathogens in samples.

Serology testing detects and measures antibody levels.

Screening results can be used by vets and producers to assist in:

- Diagnosing diseases and assisting with treatments
- Monitoring animal vaccination status (including correct vaccine administration)
- Applications for export/transportation certificates
- Cleaning and decontamination protocols
- Biosecurity, animal welfare, and successful, safe food production.



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Serology screening

Serology screening is an effective method of monitoring livestock health, assessing post-vaccination response, and identifying infection quickly.

Services for poultry, porcine, and gamebird sectors include:

- Enzyme Linked Immunosorbent Assays (ELISA)
- Haemagglutination Inhibition (HI) - used to identify subtypes of a virus such as Infectious Bronchitis
- Rapid Slide Agglutination Tests (RSAT)

Advantages of ELISA testing include:

- High sensitivity, making it possible to detect low concentrations of an antibody in the serum
- High specificity, resulting in a low number of false positives
- Repeatability of results.

We provide testing for statutory health schemes including NIPHAS and PHS. We are UKAS accredited for MG + MS (individual/combined), MM, Influenza A, and PRRS ELISAs, as well as MG, MS, and S. pullorum/gallinarum RSATs.

PCR screening

PCR allows the early detection of infection with pathogens. It analyses DNA/RNA extracted from a sample, which is checked against a known sequence to confirm the presence of veterinary-related pathogens, or a vaccine against them.

Advantages of PCR screening include:

- Early and highly specific detection
- Ability to detect low levels due to high sensitivity
- Ability to differentiate multiple pathogens from one sample
- Option available to quantify the detection levels of bacteria, viruses, and parasites in pig and poultry samples.

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