



Veterinary diagnostics
and water analysis 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.

Our UKAS accredited services include Salmonella screening, mineral and potable water testing, PCR screening, serology, digestate and compost testing, and bioaerosols monitoring.

We work closely with Vets, Farmers and industry to develop innovative solutions to meet market demand and respond to new challenges. We also develop innovative solutions for individual customer requirements and provide data for specific projects.



Digestate and compost testing

Sci-Tech's UKAS accreditation and adherence to the Biosolids Assurance Scheme enables us to test materials to satisfy the biological requirements of PAS100 for composted materials and PAS110 for digestate. We work with our sister laboratory, NRM, to provide a total testing solution for customer requirements.

Bioaerosols monitoring

Exposure to high concentrations of bioaerosols can result in adverse health effects, particularly in occupational settings.

Sci-Tech's bioaerosol screening service detects the exposure levels of thermotolerant fungus, *Aspergillus fumigatus*, total mesophilic bacteria, and thermophilic actinomycetes using the latest guidance and state-of-the-art equipment for accurate and reliable results. Worker exposure levels are determined to assess the levels present during a shift period to ensure that overall exposure is within limits for full compliance.



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Salmonella screening

Sci-Tech's highly experienced microbiology team offers flexible testing services using samples of carcass swabs, digestates, composts, faeces, and more, to detect Salmonella for quality indicators. We serotype Salmonella and provide vaccine differentiation for the Salmovac 440 test using PCR screening. This method allows swifter turnaround times than the standard method, providing clients with clear results sooner to help them make timely, informed decisions.

As a DEFRA-approved laboratory, Sci-Tech processes samples in line with DEFRA's Salmonella National Control Programmes and Poultry Health Scheme.

Water testing

Sci-Tech provides mineral and potable water testing in line with up-to-date legislation and regulations for optimal animal welfare and productivity. Our UKAS accredited services include full mineral bacteriological screen, potable screen, livestock bacteriology, in-farm water (poultry drinker lines), livestock suitability, and full chemistry water suite analysis.

Our testing services support all parts of the food industry, including the primary production and fresh product sectors, and enable compliance with Red Tractor requirements.

PCR screening

PCR technology analyses DNA extracted from a sample, checked against a known sequence to determine the presence of a disease or pathogen. This highly specific test quantifies the material present enabling insightful decisions to reduce disease in livestock production.

Serology screening

Taking blood samples to detect antibody levels is an effective method of monitoring livestock health and identifying infection quickly to help prevent its impact on a flock or herd.

Sci-Tech offers a wide range of specialist serology screening tests including, but not limited to, infectious bronchitis, Salmonella, influenza, PCR, PCV2 and PCV3, and MG/MS. Services include Haemagglutination Inhibition (HI), agar gel, Rapid Slide Agglutination Test (RSAT) and ELISA analysis for the poultry, porcine and gamebird sectors. We can also perform rapid plate and MAT analysis, as confirmatory tests to back up ELISA results. We are UKAS accredited for both PCR and ELISA analysis for PRRS, as well as rapid plate testing in poultry.

Contact us on 01588 672600
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