



# GENICS

## Bioaerosol Sampling

Practical air sampling for pig health surveillance

[genics.com](http://genics.com)





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Introducing Genics Bioaerosol Sampling — a practical new tool for routine health surveillance, pathogen detection, and biosecurity monitoring. Designed to be **non-invasive, low-labour, and easy to deploy**, Genics Air Samplers help capture airborne pathogen signatures across a range of settings.

Whether used for routine surveillance, environmental screening, or monitoring risk during transport and movement, bioaerosol samplers offer a scalable and repeatable way to strengthen visibility.



## Bioaerosol Sampling: Routine Health Sampling, Made Easier.



Underpinned by Genics  
Pork MultiPath™  
technology.



Detects 8+  
relevant pathogens  
in a single test.



Simple to deploy for  
non-invasive testing and  
tracking risk trends.



Useful across multiple  
settings, including  
transport and movement.



Provides clear, actionable  
insights to improve  
herd health.

## Why Use Bioaerosol Sampling?

Pathogens don't just travel on animals — they move through air, dust, and the farm environment, often before clinical signs make anything obvious. Genics Bioaerosol Sampling provides a practical way to screen the your production system for relevant pathogen signatures without adding animal handling, using a straightforward 24 – 48 hour deployment and return-to-lab process.

It's a scalable surveillance layer that helps you monitor trends, spot changes sooner, and make decisions with more confidence.

## How do I collect Air Samples?

Genics will send you our proprietary Air Samplers. Follow Genics' comprehensive Bioaerosol Sampling Guide to ensure optimal accuracy.

## Genics Bioaerosol Samplers have been validated to detect the following pathogens:

- *Actinobacillus pleuropneumoniae* serovar 1, 5, 7, 15 (APP1, APP5, APP7, APP15)
- *Streptococcus suis*, serotype 2, 3 (SS generic; SS2, SS3)
- *Pasteurella multocida* (PM)
- *Glaesserella parasuis* (GP)
- *Mycoplasma hyorhinis* (MHR)
- *Mycoplasma hyopneumoniae* (MHP)
- Porcine circovirus 2 (PCV-2)
- *Klebsiella pneumoniae* (KP)
- *Bordetella bronchiseptica* (BP)
- *Lawsonia intracellularis* (LI)
- *Brachyspira pilosicoli* (BP)
- *Brachyspira hyodysenteriae* (BH)
- *Salmonella enterica* (SE) incl. serovar Typhimurium (SEty)
- *Escherichia coli* (EC) incl. F4, F5, F6, F18, F41, LT1, ST1, ST2, STX2e, eaeA
- Porcine rotavirus (RV) RVA, RVB, RVC
- Porcine circovirus 2 (PCV-2)
- *Clostridium difficile* Toxin A & B (CDA, CDB)
- *Clostridium perfringens* Toxin B (CPB)

## Contact us

info@genics.com  
genics.com/porkmultipath



*"We've added Genics Bioaerosol Sampling to our pig transport trucks as a practical, non-invasive way to capture an airborne snapshot during movements. It's a low-labour approach that supports stronger biosecurity decision-making without needing to handle animals. From clear deployment guidance through to ethanol stabilisation and packing for return shipment, it's a repeatable process our team can run consistently."*

**James Seckold, CEO – SENTINL**