

FOR INVESTORS — LATE SEED ROUND

Built for real-world particle protection.

Air filtration systems, across industrial, commercial, and residential spaces, are now a critical layer in managing airborne particles. ViSTAT™ is a proprietary ablative polymer coating from BioActive Technology, applied to microglass filter media during production — it upgrades the media producers already run, with no change in equipment or supply chain. In independent laboratory testing under the protocol stated below, coated media measured over 85% filtration efficiency against MS2 bacteriophage, versus less than 20% for uncoated control media evaluated in the same LMS protocol, while preserving airflow.

THE PROBLEM

Where the vaccine model reaches its limit

Vaccines are developed against known strains — a structural limit of the model in both human and animal health. Development lags behind circulating strains, field strains drift from available matches, and cross-coverage against heterologous strains remains limited. Meanwhile, aerosol movement through shared air is documented across every kind of enclosed environment, so the air itself stays an open pathway — even where vaccination, PPE, and access protocols are executed to the best of their ability in agriculture settings, and human behavior remains hard to change.

Agriculture is the entry point because the market is already there — producers feel the cost of that open pathway directly in disease losses, so the buying decision is economic, not dependent on a regulatory mandate. Regulatory approval remains a required step to market, but it is not what drives adoption.

170M+

Birds affected by HPAI since 2022, with roughly \$1.8B in reported losses.

SOURCE: USDA / INDUSTRY

\$1B+

Estimated annual cost of PRRS to U.S. swine production.

SOURCE: INDUSTRY ESTIMATES

Disease-loss figures describe the market; they are not a product efficacy claim against HPAI or PRRSV.

THE SOLUTION

ViSTAT™ Air Layer

Coated microglass media replaces the media in the existing filter bank, reducing the airborne particle load carried through the ventilation system. It is an additive engineering layer, not a substitute for vaccination or biosecurity.

>85%

Viral Filtration Efficiency (VFE) against MS2 bacteriophage

ViSTAT™ is not registered under FIFRA and is not offered for pesticidal sale in the United States. Results shown are laboratory results obtained under the stated test protocols and are not EPA-accepted public-health claims. ViSTAT™ is not a substitute for vaccination, biosecurity, or registered disinfectants.

WHY IT WORKS IN PRODUCTION ENVIRONMENTS



Drop-in. No retrofit.

Standard sizes, standard frames — drop-in compatible with existing systems. Same filter bank, no hardware retrofit or system redesign.



Fiberglass media

Provides consistent mechanical filtration without dependence on an electrostatic charge that can diminish over time, while supporting low pressure drop and efficient airflow.



Built for demanding sites.

Engineered to perform across real-world environmental conditions — humidity, dust load, and site-specific airflow requirements (CFM).

ViSTAT™ filters are additive to existing biosecurity measures, not a replacement for them. Regulatory approval is required before commercial sale.

DEPLOYMENT

How ViSTAT™ fits the barn

A ViSTAT™-coated filter provides continuous filtration performance as air flows through the system — relevant in high-density poultry and swine production, where airborne particle management drives air quality and operational efficiency.

What changes — and what doesn't

- **Housing, frame and header stay the same.** No structural work, no controls change, no capital project.
- **Coating is applied during media production.** Nothing is sprayed or mixed on site; crews handle no additional chemistry.
- **Media swaps at scheduled change-out.** Adoption follows the maintenance calendar already in place.

MEASURED PERFORMANCE

>85%

Viral Filtration Efficiency (VFE), in-airflow — MS2 bacteriophage, 10-min continuous aerosol, up to 819 CFM.

<1.5%

Airflow impact vs. baseline media — no change to fan sizing or static pressure budget.

Single-pass particle capture rate

- | | |
|---------------|--|
| TEST 1 | SARS-CoV-2 (Washington strain) · 15-min direct contact · Microbac · 99.99% reduction on treated coupons |
| TEST 2 | MS2 bacteriophage · 1-min direct contact · MicroChem · 99.96% reduction on treated coupons |
| TEST 3 | ΦX174 bacteriophage · 1-min single-pass aerosolized exposure chamber test at 20 LPM · Nelson Labs "Sneeze test" · 99.97% reduction on treated coupons. |

Laboratory results under the stated protocols; contact tests measure treated media surfaces, not in-use filter performance, and are not EPA-accepted public-health claims. ViSTAT™ is not FIFRA-registered or offered for pesticidal sale in the U.S. Regulatory approval is required before commercial sale.

Beginning in agriculture. Built to extend.

EXPANSION PATH

STEP 01 — NOW

Poultry & Swine

Filtered barns where aerosol exposure carries the highest cost.

STEP 02

Cold Storage & Food Processing

Facilities where airborne particle load is a monitored metric.

STEP 03

Industrial & Commercial Air

The broader replacement-media market on the same OEM channel.

GO-TO-MARKET

Target high-value markets including healthcare, transportation, agriculture, and commercial HVAC through filtration OEMs, strategic partnerships, and distribution networks.

THE ASK

Raising a late seed round.

Proceeds fund third-party validation of filtration and airflow performance, lighthouse deployments with named poultry and swine integrators, and the manufacturing partnerships that carry coated media into the OEM channel at volume. Current activity is protocol-limited evaluation; no commercial pesticidal use.


BioActiveTechnology.com

Forward-looking statements: this document contains forward-looking statements regarding product development, commercialization plans and market opportunity. Actual results may differ materially. Performance figures are laboratory results for coated media under the stated protocols. This document is not an offer to sell or a solicitation to buy any security.