

**Your trusted global partner
in life-saving research.**

For over 50 years, Allentown has provided critical solutions to the biomedical research community. Our high-quality equipment and advanced vivarium systems continue to define and exceed industry standards. Like everything we do, our unparalleled customer service is stamped with the Allentown hallmarks of integrity, dedication and care.

Sentinel™ EAD®

COLONY HEALTH MONITORING



OVERVIEW

Providing critical solutions with integrity and care.



The Next Generation of Colony Health Monitoring

A partnership between Allentown, LLC and Charles River Laboratories – two of Laboratory Animal Science’s most trusted and respected companies – has led to the next generation of rodent colony health monitoring, making traditional sentinel animal monitoring programs all but obsolete. Sentinel EAD is an evolutionary, new colony health monitoring solution that advances the standard in health monitoring by combining an innovative, exhaust air dust (EAD) plenum capture method with PCR analysis. This unique pairing provides a colony health monitoring solution that produces more accurate results, reduces labor and cost, and requires less sentinel animals than traditional dirty bedding sentinel testing.

Agent	Sentinel Animals	Sentinel EAD
Protozoa	10 % Positive	100 % Positive
Mites & Pinworms	6.3 % Positive	100 % Positive
Bacteria	21.4 % Positive	85.7 % Positive
Viruses	31.3 % Positive	100 % Positive
Average of All Agents	17.25 % Positive	96.4 % Positive

* Note: Data represents 5 % simulated prevalence. Charles River test results were presented at the 2015 AALAS Tri-Branch Symposium.

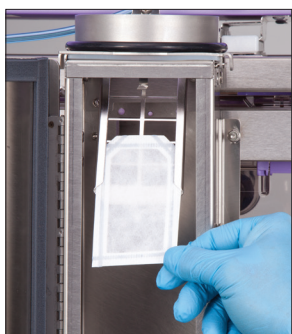
Less Sentinel Animals – Estimated at up to 1,000,000 animals annually, the rodents required for traditional dirty bedding sentinel programs can now be significantly reduced, decreasing the labor and cost necessary for their care, and bringing facilities that use the new system closer in line with the 3Rs.

More Accurate Results* – Tested extensively by Charles River and Allentown, the Sentinel EAD protocol not only increases detection percentages of the most commonly tested agents, but also expands the number and variety of agents that can be tested and detected.

COMPONENTS

Reduced Labor and Cost: How it Works

Sentinel EAD was conceived to make colony health monitoring as simple and easy to perform as possible, streamlining all facets of the process from product procurement, to agent collection, to sample submission, to receipt of results. This streamlining of process – combined with a reduction in animals, animal handling, and shipping costs – makes Sentinel EAD not only easy to use, but far more cost effective as well!



Remove collection media from media holder
(Be certain to follow supplied handing instructions)



Insert into sterile transfer tube
(Be certain to follow supplied handing instructions)

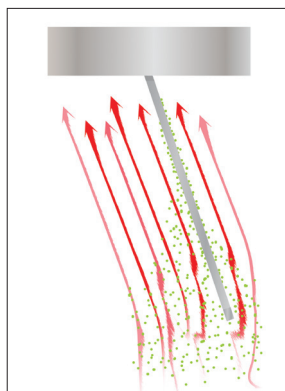


Place transfer tube into self-mailer kit and mail to testing facility of your choice

All Systems are NOT the Same!

Sentinel EAD utilizes exhaust air dust (EAD) collection in conjunction with PCR analysis to achieve tremendous results. And as increasing numbers of industry leaders become convinced of the efficacy of EAD, the questions now become: “Are all EAD capture systems the same?” and “Does EAD capture work the same in all IVCs?” The answer to both questions is NO. EAD collection – the backbone of Sentinel EAD – works best in Allentown IVCs. Here’s why: The combination of Allentown’s collection media material, its placement at the top of a NexGen vertical exhaust plenum, and Allentown’s industry leading airflow performance serves to maximise the efficacy of EAD and achieve results unobtainable in other IVCs and other EAD systems.

Patented Collection Media and specially-designed media holder situated at the ideal location at the top of the vertical exhaust plenum.



Patented Collection Media attracts dust particles but does not “load” like a filter.