

Serving our customers with innovation and creativity

Not equipped to perform specialized aerosol tests? Let us do them for you! AlburtyLab is a focused aerosol laboratory providing a full range of research, development, and third party validation services. We also design and build custom flow systems for testing aerosol detection and collection systems.

Located in Drexel, Missouri, just south of Kansas City, AlburtyLab serves the aerosol research, development and instrumentation communities. Our associates and specialized facilities combine to help our customers develop and improve their products.

Contact AlburtyLab today for a consultation and estimate.

Dave Alburty
Aerosol Scientist and President
dalburty@alburtylab.com

Zach Packingham
Engineer
zpack@alburtylab.com

AlburtyLab.com
128 E. Main St.
Drexel, MO 64742

816.619.3374

Custom Aerosol Generators



The Highest Performing Dry Particle Disperser Available

AlburtyLab's acoustic fluidized bed aerosol generators are truly one of a kind. Our instruments are custom built to order for our customer's unique needs. Based on the proven "PITT" type voice-coil dry powder dispersers, our design provides scientists with unparalleled performance and ease of use.

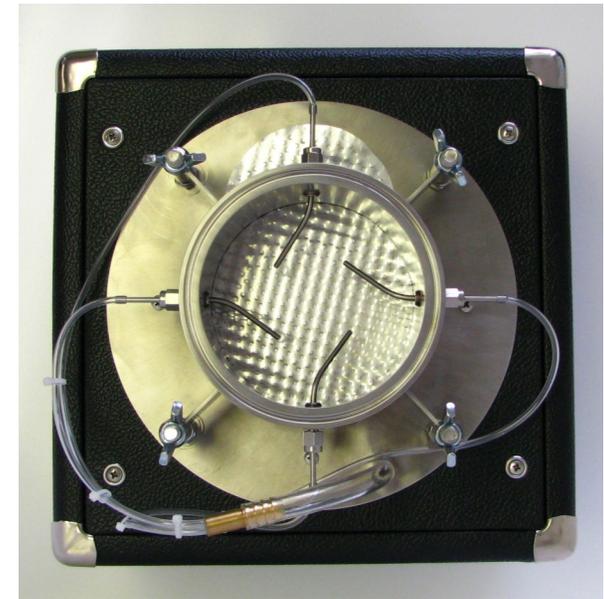
Standard features include:

- Exceptional control with our specially designed, adjustable air injection system
- Easy-to-decontaminate SS316L stainless steel with aluminum or silicone diaphragms and TFE gaskets
- Rugged and dependable industrial grade construction
- Extended use periods enabled by fan cooled electronics
- Remote flow rate and amplitude controls

- Quick, easy, tool-free removal of entire aerosol bed, injector section, and elutriator allows swift, easy material reloading and decontamination
- The aerosol bed can be driven by any audio signal generator, allowing the utilization of unique wave forms or combinations of wave equations
- Instruments are available with diaphragm diameters ranging from 1.5" to 12" with any length elutriator section
- Completely sealed sample section can be used in positive or negative pressure systems



Versatile umbilical attachments on the front and rear of the control module allow for convenient placement in your lab.



Four-way Elutriation Air Injection

The four-way elutriation air injection can be angled as desired for dissemination providing long-term aerosolization.

Particle size distributions can be controlled by using well defined input materials, such as:

- Celite(R) 545
- Talc
- Arizona road dust
- Fluorescein
- Dry polystyrene microspheres

Aerosolize your own materials such as:

- Postal dust
- Fibrous materials
- Re-aerosolize particles captured by air sampling