



## Illuminator – A Compact Platform for Automated Media Fill Inspection

### Replace manual visual inspection with non-destructive automated inspection of every vial

The Illuminator platform performs 100% non-destructive headspace analysis using an FDA-funded, laser-based spectroscopy method to quantify headspace gases in sealed containers. Ideal for media fill inspection, it replaces manual visual checks with analytical, traceable measurements and delivers robust performance with minimal space and utility requirements.

- **Automated 100% Inspection** – Identify carbon dioxide and oxygen concentrations non-destructively
- **Perfect for Media Fill** – Designed to inspect large volumes of filled vials during aseptic process simulations
- **Fast Throughput** – Up to 100 vials per minute with flexible sensor support
- **Compact & Easy to Integrate** – A small footprint (2.2 m x 0.9 m x 1.2 m), minimal utilities, and no need for major facility upgrades
- **Reliable Results** – Built-in calibration vials ensure ongoing accuracy with every measurement



## Experience LIGHTHOUSE technology in your own lab

**We understand that moving away from established methods requires both time and resources.**

To help you evaluate how LIGHTHOUSE technology can simplify your media fill inspections, we offer a 2–3 weeks lease of a benchtop carbon dioxide analyzer.

Use the system when performing growth promotion testing, and see how it accurately quantifies increasing CO<sub>2</sub> levels in the container headspace. This allows you to get hands-on experience, generate real data and assess performance in your environment.



## Get in touch

Let us know if you're ready to automate your media fill inspection.

Mail us at: [experts@lighthouseinstruments.com](mailto:experts@lighthouseinstruments.com)  
or visit: [www.lighthouseinstruments.com](http://www.lighthouseinstruments.com)