

FREE

Workshop Melbourne: Introduction to Headspace Analysis

Hosted by Lighthouse Instruments



Join us at one of our one-day seminars designed for pharmaceutical industry professionals. The session will cover topics such as container closure integrity, oxygen monitoring for oxygen-sensitive pharmaceuticals, media fill inspection, deep cold storage container closure integrity (CCI), and moisture analysis. Enhance your expertise in headspace analysis with practical insights and hands-on demonstrations.

LOCATION



Melbourne, Australia
19 February 2025

Jumar Bioincubator
Level 11, 655 Elizabeth St,
Melbourne, VIC, 3000

REGISTRATION INFORMATION

Cost: There is no fee for this workshop

Includes: Workshop materials, boxed lunch

Registration Deadline: One week before the workshop

To Register: Use the QR code above

Note: Limited seats are available, early registration is recommended.



Elevate your pharmaceutical analysis skills with expert guidance from Lighthouse Instruments.

We look forward to seeing you there!

SAMPLE AGENDA*	
9:00–10:00	Registration
10:00–11:00	<ul style="list-style-type: none"> • Deterministic methods for container closure integrity testing • EU Annex 1 compliance case studies for CCI • Raised stopper height qualification, transport validation • Holistic science-based approach to CCI
11:00–11:15	Break
11:15–11:45	<ul style="list-style-type: none"> • Oxygen Monitoring for Oxygen-Sensitive Products • Overview of oxygen headspace analysis • Nitrogen purge optimization case study
11:45–12:45	<ul style="list-style-type: none"> • Demonstration non-destructive Headspace Analyzers • Demo deterministic CCI test method to replace blue dye ingress • Demo CCI test methods for ultracold product, syringes • Demo non-destructive headspace oxygen monitoring
12:45–1:30	Boxed lunches Assorted sandwiches and beverages Networking opportunity
1:30–2:15	<ul style="list-style-type: none"> • Rapid non-destructive Moisture Analysis using Headspace • Overview of moisture analysis • Determining correlation to cake moisture for lyo product • Water activity measurements for oral solid dosage product
2:15–3:00	<ul style="list-style-type: none"> • Automated analytical Media Fill readout in the Aseptic Process Simulation • Overview of media fill inspection • Case studies and EU Annex 1 implementation

Speaker Biographies



Derek Duncan, PhD

Derek Duncan began his career at the Dutch Institute for Atomic & Molecular Physics in Amsterdam. He moved into industry holding Product & Application Development positions. Currently at LIGHTHOUSE since 2003, Dr. Duncan is responsible for developing applications for process monitoring and finished product inspection. These include using headspace analysis for 100% container closure integrity testing, lyo chamber moisture mapping, and automated media fill inspection.



Michael Edey

Michael Edey is a pharmaceutical expert with over 25 years of experience. As Senior Principal Engineer at Pfizer, he focused on primary packaging for sterile injectables and led global initiatives in quality risk management and technical innovation.

* The presentations may change slightly based on the feedback received from registrants. A final agenda will be provided 2 weeks before the meeting.