

MOCON® 2009 Internet Seminar Series

JAN 14	Permeation Basics 1
FEB 11	Permeation Basics 2
MAR 11	Permeation Basics 3
APR 8	<p>Physical Testing of Medical Packaging: In a world full of hungry microorganisms, it is critical that medical devices, designed to heal, do not inadvertently do the opposite by infecting the patient. To prevent infection, a device's packaging or "sterile barrier system" must maintain sterility over the product's entire shelf-life. This seminar outlines medical device package testing systems used in lieu of microbial-challenge testing, according to ASTM standards, recent FDA guidance and ISO requirements. Presenter: Ed Emerson, MOCON Medical, Business Development Manager</p>
MAY 13	<p>CASE STUDY – Permeation Testing of Flavor/ Aroma Compounds: Transmission rates of oxygen and water vapor are widely studied. However, flavor / aroma permeation is of major interest to many industries. This seminar will review methodologies used for testing organics and present a relevant case study. Presenter: Michelle Stevens, MOCON Consultant</p>
JUN 10	<p>ASTM Standards & MOCON's Laboratory Capabilities: Understanding the current ASTM standards for gas permeability measurement & Mocon's laboratory capabilities. Presenter: Alan Shema, CTS Product Manager</p>
JUL 8	<p>Determining the right WVTR/ OTR: In the world of permeation testing, there's not one instrument that is good for measuring all levels of barriers. For example, an instrument that can accurately measure the high water vapor transmission rate of adhesive bandages and baby diapers is no where near sensitive enough for measuring a high barrier PCTFE blisters used in pharmaceutical packaging. This Webinar compares and contrasts different oxygen and water vapor test instruments with emphasis on their measurement range and sensor technologies. Presenter: Joel Fischer, CTS Laboratory Manager</p>
AUG 12	<p>Medical Device / Pharmaceutical Materials & Packaging Test Applications: Current testing methods for product materials typically used in medical applications. We'll cover material selection for product development as well as package design considerations for sterile barrier systems; specific case examples will be presented. Presenter: Ed Emerson, MOCON Medical, Business Development Manager</p>
SEPT 9	<p>Introduction to MAP: Introduction and review of the fundamental technologies that comprise a MAP system, the roles of specific gases and examples of typical gas mixes for food products and the additional shelf life days realized vs. atmosphere packaging. Presenter: Anthony Ahmed, Packaging Products Manager</p>
OCT 14	<p>Package Integrity Overview: Introduction and review of the fundamental methods used to measure the containment, protective, and strength attributes of a package relative to its intended specifications. MOCON's line of package integrity analysis instrumentation and testing services will be highlighted. Presenter: Anthony Ahmed, Packaging Products Manager</p>
NOV 11	<p>Advancements in CO2 Testing for the Bottle Industry: Standard pressure decay CO2 egress techniques such as Zahm & Nagel can require weeks of even months to complete. By analyzing the permeation rate of a carbonated bottle, this test can be completed in hours. Additionally, the permeation method of analyzing CO2 egress can isolate parts of the bottle system to show each component's relative contribution to the aggregate permeation rate. This webinar will discuss and compare the pressure decay and permeation CO2 egress methods as well as discuss data from independent studies on CO2 egress. Presenter: Joel Fischer, Laboratory Manager</p>
DEC 9	<p>Ultra-high Barrier Films – Testing for OLEDs/ Solar Panels/ Photovoltaics: Advancements in barrier quality of certain materials have pushed the sensitivity limits of commercially available permeation equipment. MOCON has recently introduced new testing services providing transmission rate measurement of both oxygen and water vapor at an order of magnitude lower than previously available. Presenter: Michelle Stevens, MOCON Consultant</p>

All Seminars will be at 10:00 AM central with duration of no more than 60 minutes. To attend an upcoming seminar, or view past ones, e-mail webinars@mocon.com for instructions or call 763-493-6370.