

**Compliance & Validation Services** Presents a 3-Day Online Training Course on:

# Understanding Pharmaceutical Sterilisation

## 14, 15 & 16 May 2024





- Understanding Sterilisation:
  - Regulations, guidelines and current industry trends (includes EU Vol. 4, Annex 1, Aug 2022)
  - > What are we trying to kill and what is their resistance
  - > Types of sterilisation processes
  - Comparison of wet heat and dry heat processes
  - > Types of steam/heat sterilisation processes
    - Porous loads versus fluids load (includes super-heated water)
    - Sterilise in Place (SIP) Systems (includes SIP case study)
    - Dry heat processes (oven and tunnels)
  - Process Understanding
    - Overkill versus bioburden cycles
    - Steam temperature versus pressure relationship
  - Other methods, including gamma irradiation, filtration, e-beam, VHP and ethylene oxide
  - Process Control, Qualification, Operation and Maintenance:
  - Managing loading patterns
  - Correctly reviewing/interpreting chart records (electronic and paper)
  - > Maintaining sterilisation equipment and maintaining performance
  - Validation and revalidation requirements, including risk/impact assessments, equipment system qualification, process performance qualification (filtration, fluid/porous load autoclaves, dry heat processes) – includes load and chamber mapping
  - Minimising/resolving typical regulatory/company inspection/audit issues

#### Course Summary - Understanding Pharmaceutical Sterilisation - 14, 15 & 16 May 2024 - Online Training Course

This course provides attendees with a rounded appreciation of all aspects of sterilisation, ranging from equipment design and process understanding, through to qualification and maintenance requirements. One key learning objective is to separate the facts from the myths and legends that are sometimes associated with sterilisation processes. This will help ensure that s focus on the important science based facts when making risk based decisions when they return to their daily jobs. Other learning objectives include equipping attendees with the correct knowledge to improve compliance, reducing potential regulatory issues, improving operation effectiveness and maximising the benefits/effectiveness of validation/qualification activities. The course will be presented by industry experts who collectively have worked in all areas relating to the operation and qualification of sterilisation equipment/processes. Their hands-on experience will provide current industry best practice and up-to-date regulatory authority information.

#### **Presenters**



**Mike James, Training Director, Compliance & Validation Services Limited.:** Mike has 25 years experience in the pharmaceutical industry, working in a variety of compliance and validation roles. His experience includes preparation and delivery of national/client-based validation training courses, hands-on validation work, validation project management and regulatory compliance consultancy. Previously, Mike spent four years as the Site Validation Manager for GlaxoSmithKline (GSK) at Speke, where he was responsible for all site validation activities, including the development and maintenance of the Site Validation Programme. Before moving to the pharmaceutical industry he spent 15 years as an industry chemist.



**Industry Expert:** Our industry expert has many years of operating sterilisation processes within the aseptic manufacturing environment and is an accomplishes presenter.



John Welbourn, Director, Compliance & Validation Services Limited: A validation professional with over 30 years experience, John has been responsible for the management and execution of validation projects for many major pharmaceutical companies. He has broad experience in the qualification of equipment, critical utilities, computerised systems, and thermal mapping to support storage conditions. John has an in-depth knowledge of many types of autoclaves, covering their design, qualification/validation, operation and maintenance. He has very recent hands-on experience in taking autoclaves through their full qualification life cycle. John has presented at conferences in the UK, Europe and the US and has authored several articles on various aspects of validation.

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#### Kevin Owen, Director of Aseptic Technologies, IPS:

A microbiologist by profession (Hospital and Pharmaceutical) who has over 30 years of aseptic operational experience and responsibility for aseptic processing capability within multinational Pharma. He ensured that all Industry and regulatory expectations (current and anticipated) were met across multiple sites by embedding a systemic approach to aseptic manufacturing. He has led draft Annex 1 compliance strategy and set up and developed Aseptic centres of excellence to transform aseptic assurance cultures. Expert fields include Regulatory compliance, positive and negative pressure cleanrooms, toxin handling, ADC, lyophilisation, specials manufacturing, clinical trial to commercial manufacturing, ATMP's and Laboratory design. He has led major aseptic facility improvement projects without interruption to the commercial supply of product to patients. His position as Director of Aseptic Technologies provides great technical leadership and operational depth on Aseptic fill finish projects across the global footprint of IPS. Kevin is always patient centric.

#### Who Should Attend

Individuals to benefit from attending this course include anyone involved directly or indirectly in managing, operating, qualifying and maintaining sterilisation equipment and processes. The course is ideally suited to people who wish to deepen there knowledge and understanding of sterilisation processes and sterilisation equipment. It can also provide useful refresher training. Target disciplines include microbiology, production (operators, supervisors and management), quality assurance, validation, technical support and engineering. The course is also suited to people who are new to sterilisation.

On completing the course attendees will: have a sound understanding of science of sterilisation, coupled with knowledge of all key the aspects related to design, operation, qualification and maintenance/calibration of sterilisers/autoclaves and sterilisation processes; be able to apply and share their new knowledge; improve their individual effectiveness; and look back on an enjoyable experience.

#### **Online System & Course Fees**

We use industry standard online meetings software platforms to run our live online training courses. Once we have received your booking, you will be contacted by email with details on how to join each day of the course. Please note that we do not record our courses.

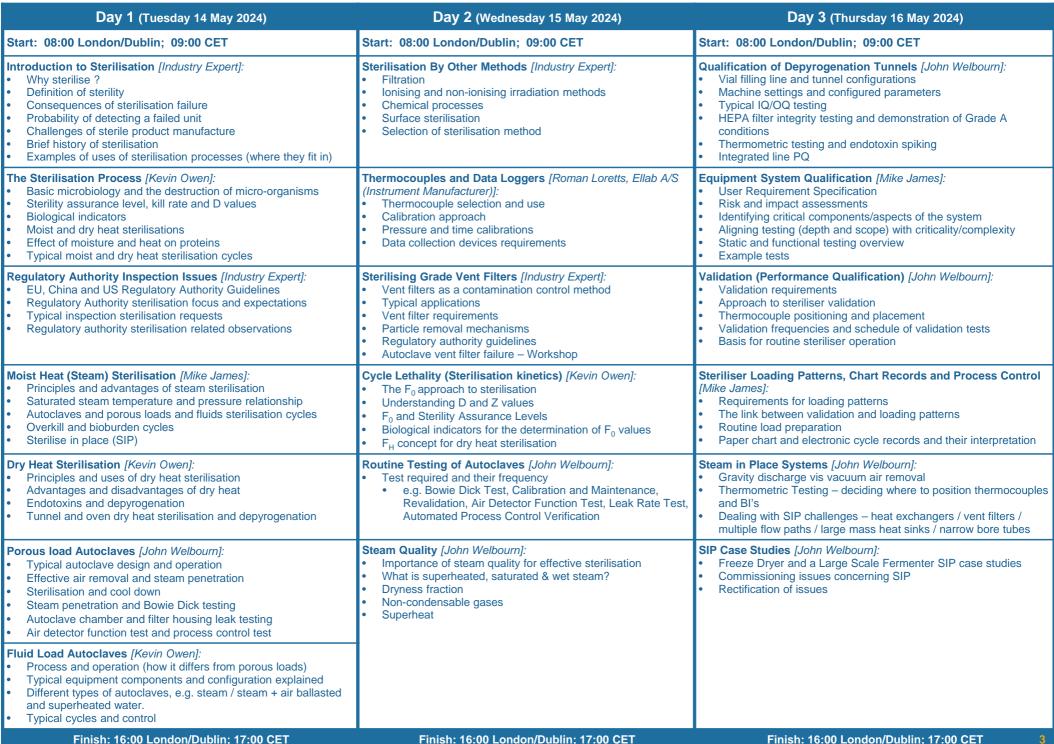
### Course fees are £1,750.00 (GBP) per attendee.

(See Page 4 for further details on fees/bookings)



### **Understanding Pharmaceutical Sterilisation - Online Training Course - Programme**

Start Time: 08:00 London/Dublin; 09:00 Berlin/Amsterdam (CET) - Please join the course at least 5 minutes before the start.



#### BOOKING DETAILS - Understanding Pharmaceutical Sterilisation - 14, 15 & 16 May 2024 - Online Training Course

#### How to book on this course:

- The simplest and quickest way is to book online. Please visit/return to our web-site, find the online course you are interested in and follow the simple instructions (link included below), or
- Print out this page, complete the form below by hand and return by fax, email or post.

#### **CLICK HERE TO BOOK ONLINE**

Fax: +44 (0)1625 800833

Tel: +44 (0)1625 500833 or +44 (0)1270 760882

E-mail: info@candvs.com

Alternative Booking Form ('*' indicates required fields)				Booking Terms & Conditions	
*Booking Contact Name:				Booking Confirmation Bookings will only be confirmed upon payment by credit card, or in the case of	
*Booking Contact E-mail Address:				<ul> <li>invoice payment (bank transfer), upon receipt of a valid purchase reference number.</li> <li>Cancellation by Attendees</li> <li>Cancellation refunds will depend on how long before the course start date the cancellation is received. The following refund structure will apply:</li> <li>More than 7 days will quality for a refund of the course fee paid after the deduction of actual expenses incurred by CVS in connection with the course that the attendee has registered for and there shall be no future liability on the part of either party.</li> <li>No refund will be given for cancellations received with less than 7 days' notice.</li> <li>Substitutions for registered attendees from the same company will be accepted without notice, but for administration purposes, we kindly ask you to let us know as soon as you can.</li> <li>Cancellation by CVS</li> <li>CVS does not issue refunds for attendees unless:</li> </ul>	
*Booking Contact Telephone Number:					
*Company Name & Address:					
*Billing Address (Only complete if different to Company					
Address)					
*Attendee Information:	Attendee Name(s):		Attendee Email Address:	<ul> <li>We have cancelled a course.</li> <li>We have changed the time or date of a course.</li> <li>If we do cancel or reschedule an event, CVS is not responsible for any costs</li> </ul>	
				incurred by attendees. Only the course fee will be refunded. Please be assured that we are not in the habit of cancelling events. We only cancel	
				events in exceptional circumstances. Speaker/Presenter Changes We reserve the right to change a speaker without notice.	
				Course Fee & VAT Liability For the majority of participating countries, VAT will be ZERO rated. However, for	
				companies whose finance centre is based in the United Kingdom (location where invoices are managed) the indicated course fee will be subject to an additional 20% UK VAT charge. Also, anyone booking as a private individual (not through a	
Company VAT Number (or Sales Tax Number) – *EU Countries Only				company) will be charged UK VAT. CVS has to charge this by law. All participating EU / EEA based companies (based on the site location), must provide CVS with a valid VAT/Sales Tax reference number, in order for the booking to be completed. CVS is required by law to collect this information.	
*Method of payment, e.g. card or invoice payment		NOTE: For card payments by telephone, please ensure you have entered your telephone number above and we will contact you. Alternatively, call +44 (0)1625 500833 to make your payment.		Liability CVS reserve the right to cancel or reschedule any course and/or change presenters. CVS will not provide a refund for an online course if an attendee cannot use the online system, because of local IT restrictions.	
Payment Reference (if available)		NOTE: For invoice payments we will need a valid reference number or purchase order number to fully confirm the booking.			
* Total Fees Due £1,750 [GBP] per attendee		NOTE: If your finance centre or attendees are based in the United Kingdom (UK), or attendees are booking as private individuals (non-company), the course fee will be subject to an additional 20% UK VAT charge (£2,100 per attendee including UK VAT). For EU Countries where finance centres and attendees are NOT based in the UK, VAT will be ZERO RATED under the reverse charge rule. For non-EU countries and non-EU attendees, VAT is not applicable.		CLICK HERE TO VIEW OUR PRIVACY POLICY	