



Dezember 2019

Miniaturization In Freeze-Drying

Join SP Scientific and Dr. Alexandra Braun, of GILYOS GmbH, for an insightful webinar on miniaturization in freeze drying. Miniaturization is an important topic – especially in the early development phase of new drug entities – due to the limited availability and costs of most Active Pharmaceutical Ingredients (API).

This webinar, which takes place on January 24 2019, will focus on ways to jumpstart your development effort, including the use of Manometric Temperature Measurement and SMART™ process analytical technology (PAT) tools in the LyoCapsule™ freeze dryer. Illustrated by several examples, Dr. Braun will discuss wall temperature adjustment, amorphous and crystalline formulations and minimum load requirements for reliable values. Dr Braun will also demonstrate the use of PAT tools in the development of a robust and reproducible cycle, as well as the cycle transfer to larger units.

The innovative LyoCapsule™ consists of a small cylindrical inner-chamber intended to freeze dry a reduced number of vials – typically seven x 20R vials. It utilizes wall temperature control to emulate heat and mass transfer conditions typically encountered in larger scale, and is equipped with a full suite of PAT tools to facilitate process development and successful scale-up/scale-down.

To register for the “Miniaturization of Freeze Drying: Process Optimization in the LyoCapsule™” webinar please visit <https://www.spscientific.com/Webinars/> or contact SP Scientific at +1-845-255-5000 (+44-1473-240000 in Europe).

SP Scientific is a leading manufacturer of freeze dryers/lyophilizers, aseptic equipment, temperature control/thermal management, centrifugal evaporators and concentrators, glassware washers, and controlled environmental rooms and chambers. The company sells its products under well-known brands including VirTis, Hull, PennTech, FTS Systems, Genevac and Hotpack. SP Scientific has ISO 9001:2015 registered production facilities in the USA and Europe.

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