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Implementation of a continuous chromatographic process for the manufacturing of an API

The advantages of continuous processing for commercial scale manufacturing are well known and accepted in many industries; reduction in the manufacturing footprint, increase in process safety, increased automation, reduction in manpower requirements, better economics are some of the known advantages. However, implementing a continuous process in an industry that is traditionally batch is often challenging. The regulatory aspects are certainly the most difficult to overcome as a shift in the approach to validation, process monitoring and even “batch” documentation is required to adapt to the specificity of the continuous nature of the process. The author will discuss the various aspects of the successful implementation of a continuous chromatographic process for the manufacturing of an API at commercial scale through actual examples.

Biography

Olivier Dapremont is a renowned expert in the implementation of continuous chromatography (SMB) for the purification of APIs. He started in 1992, developing the SMB technology for Prochrom in France, and then joined Chiral Technologies to manage the kilo separation laboratory using SMB. He joined AMPAC Fine Chemicals (then Aerojet) in California, in 2001 to be in charge of the development of continuous processes. He has developed more than 50 SMB separations at all scale. He is a member of the Prep Symposium Organizing Committee as well as a member of the SPICA Scientific Committee.

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