

International Conference and Expo on

# Separation Techniques

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## Fast centrifugal partitioning chromatograph for extract purification

Centrifugal Chromatography has been developed to select and recover desired compounds at analytical, preparative, pilot, and industrial scales. Centrifugal partitioning chromatography, a biphasic liquid process technology, is used for the fractionation and purification of biologic matrices, synthetic solutions, and natural products. According to the polarity and solubility of the desired molecule, FCPC permits the selection and recovery of desired compounds while achieving up to 99% purity levels. With no costly solid packing material or columns to replace, purification by FCPC reduces batch to batch costs and eliminates the risk of contamination between products. Assuring 100% recovery of samples, liquid-liquid centrifugal partition chromatography is extremely flexible allowing for both ascending and descending modes of operation with no loss of compounds due to adsorption, and no denaturing of sensitive molecules.

## Biography

Rob Driscoll is a Senior Application Engineer at Robatel Inc. and has worked in the pharmaceutical and fine chemicals industries for 19 years. He is responsible for the start-up and optimization of centrifugal equipment and is responsible for the Kromaton centrifugal chromatography activities. He has a BS in Chemical Engineering from Michigan State University.

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