InfoExpo 2008

23. September 2008: Lausanne
Hôtel Mövenpick
Abstract Workshop

Different strategies for successful fast HPLC

The Workshop shows the specifics and actual developments around the fast chromatography (Fast-LC). For fast Chromatography it isn't necessary to buy a new HPLC-System immediately. There are several other possibilities.
The important system parameters and selection criteria for the specific HPLC-systems will be presented, also an efficient procedure for the method transfer from standard to fast LC.

Dr. Jürgen Maier-Rosenkranz, Grace Davison Discovery Sciences Alltech Grom GmbH (at the booth of BGB Analyitk AG)

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Photo documentation et evaluation de la chromatographie sur couche mince

Le Visualizer est un nouveau système de prise de photos de plaques de CCM et d'archivage BPF, en conformité 21cfr 11. Ce système permet d'obtenir une reproductibilité et une fidélité parfaite des images grâce à la correction du bruit de fond. Il propose de plus différents choix d'exportation de photos de plaques, et un outil de visualisation des Rf de chaque spot et de documentation.

Le BIOLUMINIZERTM Camag est un instrument parfaitement adapté à l'acquisition photographique et cinématographique de la bioluminescence de tout objet et/ou liquide bio luminescent.
Ses principaux atouts sont sa sensibilité et son confort d'utilisation. Une des applications principales est la recherche de produits toxiques dans l'eau potable, au niveau de la pico mole, grâce au brevet Bayer commercialisé par ChromaDex Analytics Inc. sous le nom de BioluminexTM.

Jürg Leuenberger, CAMAG

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Accélération et validation de méthodes HPLC existantes avec l' UltiMate 3000 RSLC en combinaison avec une aide de validation conforme aux normes ICH

Il sera montré à l'aide d'un exemple l'importance et les avantages d'une combinaison optimale entre machine et logiciel lors de l'adaptation d'une méthode HPLC existante.

Antonio De Pascalis, Dionex (Switzerland) AG

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Use and application of special phases for better separation in flash chromatography

- Purification of peptides with C-18 RP-Column
- Column Stacking to improve resolution of normal phase flash chromatography
- Tactics addressing challenging flash chromatography purifications

Dr. Jörg Heerklotz, IG Instrumenten-Gesellschaft AG

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Innovation in shape Selectivity HPLC for aromatic compounds and specific application for PAHs

ZORBAX Eclispe PAH - PAH-Analysis for classical and Rapid Resolution LC
The recently introduced ZORBAX Eclipse PAH column takes advantage of the improved ultra-pure and rigid silica base launched for the ZORBAX Eclispe Plus Line and is a polymerically bonded C18 phase. It is the first PAH phase allowing classical analysis by using 5 μm particles and fast, as well as ultra-fast analysis using the Rapid Resolution Technology with 3.5 um and 1.8 um particles. This improves productivity and reliabililty for environmental water and soil analysis as well as for separation and identification of PAHs in food, air and other combustion samples.

Columns for Rapid Resolution LC – Column Parameters for Optimizing Speed and Resolution
Rapid Resolution LC is the technology for improvement of productivity and decrease of cost per analysis. Two important keys for this technology are particles size and specific particle types. But ideal optimization has to include far more parameters like column dimension, flow rate, gradient and temperature to achieve the optimal result for speed and resolution. Agilent Technologies offers a complete range of different stationary phases and dimensions for this new RR LC technology.

Joyce Link, Milian SA

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LC Techniques for Polar Compounds

Today, HPLC is a widely used method for the analysis for a vast number of compounds, due to its simplicity and reproducibility of the method. However, a fundamental difficulty exists: the low retention of polar analytes makes HPLC method development more demanding. Nevertheless, modern HPLC offers a range of options to the chromatographer to overcome the problem. The presentation describes possibilities for the separation of polar compounds which include HILIC- and RP-techniques.

Gunnar Sturm, Stagroma AG

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Focus HPLC columns

Chromolith Monolithic columns and its field of application, including the brand new 2mm-Chromolith. Merck's monolithic columns have revolutionized the market since 2001. Robustness, less solvent usage and faster analytical results have made Chromolith the column of choice for innovative chromatography worldwide.

Merck SeQuant: Merck's newest product range and its field of application. HILIC separation is gaining much interest at the moment since it solves many of the previous difficult separation problems, including the separation of small organic compounds, basic drugs and many other neutral and charged substances.

Dr. Rod Mc Illwrick, VWR International