

## Fit and Healthy for Spring with Vitamins

*New affinity column BioteX of LCTech GmbH facilitates the clean-up for the biotin analysis – automated and manual.*

Cough, cold, influenza ... these days lots of people are fighting against coughs and sneezes in the moment and are trying to consume as many vitamins as possible. Often these vitamins are taken in format of vitamin tablets, too. But how much of a vitamin can really be found in a tablet?

Biotin is a naturally occurring vitamin that belongs to the family of B vitamins (B7) and is one of the water-soluble vitamins. It can be found ubiquitously in many foods. The biotin concentration supports a vitamin-rich diet and is consequently found in many vitamin drinks, vitamin tablets or food supplements. Egg yolk, soybeans and liver are amongst the foods that are high in biotin content.

LCTech has developed the affinity column BioteX that impresses with a fast processing time below two hours (depending on sample volume), very good recoveries (biotin > 90 %) and a long shelf life of 9 month. BioteX enables an effective clean-up of biotin from different sample material and in parallel the sample preparation within the food analysis via UV-detection for analysis with HPLC or LC/MS.

The 3 mL column made of polypropylene is suitable for both manual and automated handling. Especially the processing via the sample preparation system FREESTYLE™ brings you most advantage:

- 24 h fully automated processing
- Easy transfer of each manual method to automation
- No cross-contamination
- Excellent recovery rates
- Fast, precise and reproducible handling
- Very easy and intuitive software

The affinity column BioteX can be stored refrigerated for 9 months from the date of manufacture and has a loading capacity of 1000 ng Biotin.



The affinity column  
BioteX



The robotic system FREESTYLE™  
with SPE- and Evaporation-module

## About LCTech GmbH

LCTech GmbH is based in Dorfen, Germany. Since 1998, it has been developing and supplying products and methods for the preparation and analysis of food, animal feed and environmental samples. The product range includes both semi and fully automated sample preparation systems as well as consumables utilised in the analysis of contaminants and residues.

LCTech is represented worldwide through a well-developed distributor network and also acts as the exclusive distributor for PICKERING Laboratories in Europe, Africa and the Arab countries.

Worldwide, many customers – including governmental and contract laboratories focusing on food and feed analysis, and also those based in the pharmaceutical industry or research – equally appreciate both, the modern and efficient products of LCTech as well as its responsive and competent customer support. More information is available online via [www.LCTech.de](http://www.LCTech.de).

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