



this month's topic **Engineering Services**

Mass Spec Imaging Gives Critical Bioanalytic Insight



This company's Mass Spec Imaging Center (MSIC) now offers an expanded mass spectrometry imaging (MSI) service portfolio. Its advanced MSI services employing the LAESI DP-1000 Direct Ionization System and the matrix-assisted laser desorption/ionization (MALDI) mass spectrometry are suitable for a wide variety of sample types and applications. The extended service allows researchers to detect where molecules of interest reside within a biological matrix. This insight is critical in fields such as metabolomics, biomarker discovery, drug discovery, and histopathology. The MSIC also serves as a demonstration and training facility to help researchers learn more about the company's MSI techniques.

Protea Biosciences Group, Inc.
www.proteabio.com

Team Takes the Worry Out of Instrumentation Analysis

The Full Audit Service Team (FAST) program provides instrumentation expertise and relieves maintenance personnel of the stressful task of checking and replacing gages and instruments. FAST services include instrument auditing, turnaround instrument planning, instrument failure analysis, and instrument safety training. During an instrument audit, FAST engineers evaluate the facility's gages to identify and correct gage issues. A storeroom audit ensures that only the correct gages are on the shelf, which eliminates guesswork when a replace-

ment gage is needed. With turnaround instrument planning, FAST engineers mitigate scope creep and leaks upon startup, which helps avoid cost overruns. FAST engineers also perform an instrument failure analysis to determine the root cause of a failed gage and recommend a solution to prevent further safety issues. Instrument safety training provides the facility's operators with instruction on how to use gages as predictive maintenance tools.

WIKA
www.wika-fast.com

Service is a Cost-Effective Alternative to Carbon Adsorbers

EnviroHPA Systems can be provided with various ultra-high-performing adsorbent media in units designed, guaranteed, and operated by the supplier under multiyear agreements with little or no capital investment by the user. These systems can handle a wide range of organic contaminants with excellent control. Energy savings can approach 50% compared with traditional activated carbon systems in high-volume applications. This service can also dramatically reduce a facility's carbon footprint. Applications include removal and recovery of select organics from wastewater, groundwater, and vapor-phase streams in the chemical processing industries.

Envirogen Technologies, Inc.
www.envirogen.com

Company Preps Biosafety Labs for Accreditation

The American Biological Safety Association (ABSA) recently established the High Containment Lab Accreditation Program as a way for biosafety level three (BSL-3) and animal biosafety level three (ABSL-3) laboratories to demonstrate excellence in biosafety. To become accredited under this new program, a laboratory

undergoes an evaluation by ABSA every three years, and conducts annual self-assessments and reporting between ABSA assessments. Accreditation confirms that biocontainment facilities have the necessary practices, procedures, personnel, and equipment in place to protect lab workers, animals, the environment, and the community. It evaluates the biosafety expertise and training of the personnel conducting research, as well as the management structure supporting research activities. It also assesses the adequacy of biocontainment measures (e.g., facilities, equipment, practices, recordkeeping systems, etc.). This company's certified biological safety professionals help a facility prepare for accreditation by reviewing its existing biosafety program and practices, and recommending improvements to address any deficiencies.

Environmental Health and Engineering, Inc. (EH&E)
www.eheinc.com

Subscription Service is a New Way to Track Silo Contents

The mysilo.info service provides subscription-based silo weight and level monitoring without the capital costs of purchasing measurement equipment. The company installs, calibrates, and maintains its SOLO or ENSEMBLE product hardware under perpetual warranty at the customer's plant. The system can monitor an unlimited number of silos at multiple locations. The customer tracks inventory onsite or remotely by logging into a website account that displays the facility's silos on one screen. Users pay an initiation fee upon creating their mysilo.info account, and pay a monthly per-silo fee thereafter. An optional service can send low-material-quantity alerts to vendors.

Strain Systems, Inc.
www.strainsystems.com