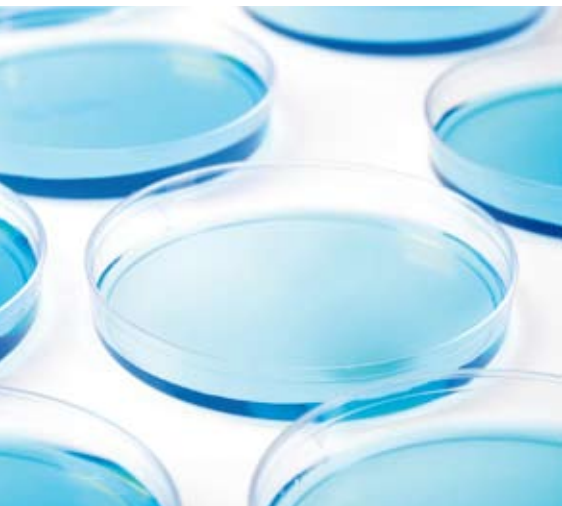




# BIOANALYTICS

**INSTITUT  
FRESENIUS**

**SGS**



## BIOANALYTICS – QUALITY ASSURANCE AND PRODUCT SAFETY WITH SGS INSTITUT FRESENIUS

Bioanalytics is a young and rapidly developing science which exploits the characteristics of biomolecules in qualitative and quantitative validation procedures. Bioanalytical tools and their marker-specific validation procedures have become a standard element of quality control and assurance. They are used extensively in research and development, especially in manufacturing, and are now an integral part of risk management.

**The Bioanalytics Department at SGS INSTITUT FRESENIUS GmbH has been operating as a research and development laboratory providing specialized services since 1988. We have extensive experience in**

### **CLASSICAL BIOANALYTICS**

- Specialized microbiology (e.g. starter cultures, microbial nitrogen and carbon circuit, diversity analytics, biofilms)
- Food analysis (e.g. detection of risk materials, allergens, toxins and hormones)
- Veterinary diagnostics (e.g. BSE, detection methods of infection markers in serum and blood samples)
- Protein analysis (e.g. quantification, characterization via SDS PAGE, IEF, 2D)

- Molecular biology (PCR-based detection methods, FISH, DNA/RNA quantification, Microarrays)

### **BIO TESTS (GLP LABORATORIES)**

- Ecotoxicology (in the context of e.g. REACH, authorisation of biocides, water hazard class, surfactant regulations)
- Biodegradation tests (OECD guidelines, DIN, ISO, EC)
- In-vitro toxicology (OECD, EVCAM)
- Physical-chemical characterisation (OECD)

### **PERFORMANCE TESTS**

- Beverage dispensing equipment, carboniser equipment
- Water filters, retention capacity for specific substances, disinfection modules, ultraviolet burners

- Nebulisers, air conditioning equipment, air humidifiers
- Coffee dispensers, drinking water dispensers
- Shavers, electrical toothbrushes
- Testing of antimicrobial surface properties
- Material destruction (e.g. cooling lubricants, hydraulic fluids, paints)

### **APPLIED INDUSTRIAL AND INSTITUTIONAL RESEARCH**

- Monitoring programs
- Development and optimisation of specific detection methods



## OUR CONTRIBUTION TO YOUR SUCCESS

SGS INSTITUT FRESENIUS offers you a wide range of bioanalytical **study types (GLP compliant)** and **analytical services**. With our help, you can be assured that your company's products will continue to meet market quality and safety requirements in the future.

Our staff are specifically trained to identify and adapt to new challenges competently. The modern technical measuring devices and analytical equipment at their disposal enable them to apply internationally recognised methods (OECD, ISO, CIPAC, etc.) and to respond to specific client requests quickly and individually.

Your company's success depends on such critical factors as consistent quality assurance and control of raw materials, manufacturing and production processes. Failures due

to impurities and pathogens not only raise direct costs, they can also damage your company's reputation.

SGS INSTITUT FRESENIUS offers **cost efficient, swift, reliable and professional bioanalytical services** to handle any number of questions and tasks. You can also benefit from the wide range of performance tests that we have already developed for our clients.

There is a growing importance attributed to bioanalytical studies and to concerns related to the ecotoxicological properties of products, the biodegradability of substances and potential environmental impact. Extensive testing of chemicals is required even in the early phases of market authorization. These requirements have been expanded substantially since the enactment of the

REACH directive [(EC) 1907/2006] which calls for information on substance and product safety to be documented and filed.

The environmental effects of products, the biodegradability of substances and potential environmental impacts are also serious concerns during transport and storage.

When your clients make purchasing decisions, they increasingly consider the environmental safety of a product throughout its life-cycle – one more argument underscoring the relevance of reliable bioanalytical services which will safeguard your company's reputation.

**YOUR BIOANALYTICAL REQUIREMENTS DESERVE A COMPETENT PARTNER WITH EXTENSIVE EXPERIENCE AND EXPERTISE. THAT PARTNER IS SGS INSTITUT FRESENIUS.**





## LET OUR SUPPORT ASSURE YOUR PRODUCT QUALITY!

MORE INFORMATION ABOUT US AND OUR OFFERS FOR YOUR COMPANY CAN BE FOUND AT  
[WWW.REACH.SGS.COM](http://WWW.REACH.SGS.COM)

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WHEN YOU NEED TO BE SURE

**SGS**