



STS Directory

Accreditation number: STS 0408

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

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Initial accreditation: 24.05.2004
Current accreditation: 24.05.2019 to 23.05.2024
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 03.11.2021

Testing laboratory for analytical services in the fields of food, feed, environment, agronomics, tobacco, cosmetics, pharmaceuticals, human diagnostics and veterinary diagnostics as well as the establishment and implementation of PCR-methods for gene expression studies

Group of products or materials, field of activity	Principle of measurement ^{2), 3)} (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<u>MOLECULAR BIOLOGY</u> Tobacco, food, seeds, plant material, feeding stuff, pharmaceutical products and cosmetics	<i>Molecular biological methods for the detection of GMO ³⁾</i> DNA extraction Qualitative polymerase chain reaction (PCR) Quantitative real-time PCR	In-house test methods, EU-RL GMFF methods, LFGB methods, EN/ISO norms



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<p><u>MOLECULAR BIOLOGY</u></p> <p>Tobacco, food, seeds, plant material, feeding stuff, pharmaceutical products and cosmetics</p> <p>Food</p> <p>Food, faeces, water and environmental samples</p> <p>Animal, plant and human tissues, cell cultures Biopsies of laboratory animals</p>	<p><i>Molecular biological methods for the detection of animal and plant species ³⁾</i></p> <p>DNA extraction Qualitative polymerase chain reaction (PCR) Quantitative real-time PCR</p> <p><i>Molecular biological methods for the detection of microorganisms and viruses ³⁾</i></p> <p>Qualitative real-time PCR</p> <p>for the detection of:</p> <ul style="list-style-type: none"> - Salmonella spp. - Campylobacter jejuni/coli - Listeria monocytogenes - STEC - Cronobacter sakazakii <p>Qualitative real-time PCR</p> <p>for the detection of:</p> <ul style="list-style-type: none"> - Norovirus - Hepatitis A <p><i>Molecular biological methods for gene expression quantification ³⁾</i></p> <p>RNA extraction Reverse Transcription Quantitative real-time PCR</p> <p><i>Genotyping of laboratory animals by molecular biological methods ³⁾</i></p> <p>DNA extraction Qualitative polymerase chain reaction (PCR) Quantitative real-time PCR</p>	<p>In-house test methods, EU-RL GMFF methods, LFGB methods, EN/ISO norms</p> <p>In-house test methods</p> <p>ISO 13136 BAM / ISO 22964</p> <p>In-house and commercial test methods</p> <p>In-house and commercial test methods</p> <p>In-house test methods</p>



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<u>MICROBIOLOGY</u>		
Food, drinking water, pharmaceutical products, environment	<p>Quantitative detection by pour plate method and surface-spread method, respectively ²⁾</p> <ul style="list-style-type: none"> - Total plate count - Enterobacteria Escherichia coli - Coagulase-positive staphylococci - Enterococci - Bacillus cereus - Yeast & mold - Pseudomonas aeruginosa - Listeria monocytogenes <p>Qualitative detection by enrichment ²⁾</p> <ul style="list-style-type: none"> - Salmonella spp. - Cronobacter sakazakii - STEC - Listeria monocytogenes 	<p>ISO 4833, ISO 6222 modified ISO 21528-2 ISO 16649-1, ISO 16649-2, ISO 9308-1 ISO 6888-2</p> <p>ISO 7899-2 ISO 7932 SLMB 56 / E.10</p> <p>SLMB 56 / E.4 and ISO 16266 ISO 11290-1 and ISO 11290-2</p>
Food, feeding stuff	<p>Quantitative detection by TEMPO Test method and determination of MPN ²⁾</p> <ul style="list-style-type: none"> - Total plate count - Bacillus cereus - Enterobacteriaceae - E. coli - Yeast & mold - Coagulase-positive staphylococci 	<p>Biomerieux, commercial test</p> <p>Biomerieux, commercial test</p> <p>Biomerieux, commercial test</p> <p>Biomerieux, commercial test</p> <p>Biomerieux, commercial test</p> <p>Biomerieux, commercial test</p>
Plastic materials	<p>Quantitative detection by elution, filtration and incubation ²⁾</p> <ul style="list-style-type: none"> - Total plate count - Yeast & mold - Anaerobic mesophilic germs 	<p>EN ISO11737-1:2006-04</p>

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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Group of products or materials, field of activity	Principle of measurement ^{2), 3)} (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Water, environment	Quantitative detection by plate count technique ²⁾ - Legionella pneumophila	ISO 11731 modified
<u>BIOCHEMISTRY / IMMUNOLOGY</u> Food, feeding stuff	ELISA ³⁾ for the detection of: - Allergens - Mycotoxins	SLMB, LFGB, commercial test methods
<u>BIOCHEMISTRY / CHEMISTRY</u> Food, feeding stuff, water, medical products and items	Spectrometric and enzymatic methods ³⁾ for the detection of: - Allergens - Sugars - Molecules - Enzymatic activities	SLMB, LFGB, commercial test methods
<u>VETERINARY DIAGNOSTICS</u> Laboratory animals: Mice	Detection of virus diseases by ELISA SMART SPOT ²⁾ - Mouse hepatitis virus - Mouse rotavirus (EDIM) - Parvoviruses: Minute virus of mice, Mouse parvovirus - Pneumonia virus of mice - Sendai virus - Theiler's murine encephalomyelitis virus - Ectromelia virus - Lymphocytic choriomeningitis virus - Mouse adenovirus type 1 (FL) - Mouse adenovirus type 2 (K87) - Mouse cytomegalovirus - Reovirus type 3 - Hanta virus - Clostridium piliforme	Modified according ^{a)} , commercial test method SMART SPOT ^{b)}



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Rats	<ul style="list-style-type: none"> - Parvoviruses: Kilham rat virus, Rat parvovirus, Toolan's H-1 virus - Pneumonia virus of mice - Sendai virus - Sialodacryoadenitis / Rat coronavirus - Hanta virus - Mouse adenovirus type 1 (FL) - Mouse adenovirus type 2 (K87) - Reovirus type 3 	Modified according ^{a)} , commercial test method SMART SPOT ^{b)}

In case of contradictions in the language versions of the directories, the German version shall apply.

Abbreviation	Signification
a)	Test methods according to FELASA
b)	Biotech Trading Partners, Inc. SMART SPOT procedure guide
BAM	Bacteriological Analytical Manual
ELISA	Enzyme-linked Immunosorbent Assay
EU-RL GMFF	European Union Reference Laboratory for Genetically Modified Food and Feed
FELASA	Federation of Laboratory Animal Science Associations
GMO	Genetically modified organism
ISO	International Organization for Standardization
ISO/TS	ISO/Technical Spezifikation
LFGB	German Food and Feed Manual
MPN	Most Probable Number
SLMB	Swiss Food Manual
SOP	Standard operation procedures

The testing laboratory maintains a list with detailed information on the activities within the scope of accreditation. It is available upon request at the testing laboratory.

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