



## 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](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 24.05.2019

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



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Tobacco, food, seeds, plant material, feeding stuff, pharmaceutical products and cosmetics  <u>MOLECULAR BIOLOGY</u>	<b>DNA extraction</b> <b>Qualitative polymerase chain reaction (PCR)</b> <b>Quantitative real-time PCR</b>	In-house test methods, EU-RL GMFF methods, LFGB methods, EN/ISO norms
Food	<b><i>Molecular biological methods for the detection of microorganisms and viruses <sup>3)</sup></i></b> <b>Qualitative real-time PCR</b> for the detection of: - Salmonella spp. - Campylobacter jejuni/coli - Listeria monocytogenes - STEC - Cronobacter sakazakii	In-house test methods  ISO 13136 BAM / ISO 22964
Food, faeces, water and environmental samples	<b>Qualitative real-time PCR</b> for the detection of: - Norovirus - Hepatitis A  <b><i>Molecular biological methods for gene expression quantification <sup>3)</sup></i></b>	In-house and commercial test methods
Animal, plant and human tissues, cell cultures Biopsies of laboratory animals	<b>RNA extraction</b> <b>Reverse Transcription</b> <b>Quantitative real-time PCR</b>  <b><i>Genotyping of laboratory animals by molecular biological methods <sup>3)</sup></i></b>	In-house and commercial test methods
	<b>DNA extraction</b> <b>Qualitative polymerase chain reaction (PCR)</b> <b>Quantitative real-time PCR</b>	In-house test methods

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 <sup>2), 3)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<p><b><u>MICROBIOLOGY</u></b></p> <p>Food, drinking water, pharmaceutical products, environment</p> <p>Food, feeding stuff</p> <p>Plastic materials</p>	<p><b>Quantitative detection by pour plate method and surface-spread method, respectively <sup>2)</sup></b></p> <ul style="list-style-type: none"> <li>- Total plate count</li> <li>- Enterobacteria</li> <li>- Escherichia coli</li> <li>- Coagulase-positive staphylococci</li> <li>- Enterococci</li> <li>- Bacillus cereus</li> <li>- Yeast &amp; mold</li> <li>- Pseudomonas aeruginosa</li> <li>- Listeria monocytogenes</li> </ul> <p><b>Qualitative detection by enrichment <sup>2)</sup></b></p> <ul style="list-style-type: none"> <li>- Salmonella spp.</li> <li>- Cronobacter sakazakii</li> <li>- STEC</li> <li>- Listeria monocytogenes</li> </ul> <p><b>Quantitative detection by TEMPO Test method and determination of MPN <sup>2)</sup></b></p> <ul style="list-style-type: none"> <li>- Total plate count</li> <li>- Bacillus cereus</li> <li>- Enterobacteriaceae</li> <li>- E. coli</li> <li>- Yeast &amp; mold</li> <li>- Coagulase-positive staphylococci</li> </ul> <p><b>Quantitative detection by elution, filtration and incubation <sup>2)</sup></b></p> <ul style="list-style-type: none"> <li>- Total plate count</li> <li>- Yeast &amp; mold</li> <li>- Anaerobic mesophilic germs</li> </ul>	<p>ISO 4833 ISO 21528-2 ISO 16649-1 and ISO 16649-2 EN/ISO 6888-2</p> <p>SLMB 56 / E.5 ISO 7932 SLMB 56 / E.10</p> <p>SLMB 56 / E.4 ISO 11290-1 and ISO 11290-2</p> <p>IEN/SO 6579 ISO/TS 22964 ISO 13136 ISO 11290-1</p> <p>Biomerieux, commercial test Biomerieux, commercial test Biomerieux, commercial test Biomerieux, commercial test Biomerieux, commercial test Biomerieux, commercial test</p> <p>EN ISO11737-1:2006-04</p>



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Water, environment  <u>BIOCHEMISTRY / IMMUNOLOGY</u>	<b>Quantitative detection by plate count technique <sup>2)</sup></b>  - Legionella pneumophila  <b>ELISA <sup>3)</sup></b>	ISO 11731, modified
Food, feeding stuff  <u>BIOCHEMISTRY / CHEMISTRY</u>	for the detection of: - Allergens - Mycotoxins  <b>Spectrometric and enzymatic methods <sup>3)</sup></b>	SLMB, LFGB, commercial test methods
Food, feeding stuff, water, medical products and items  <u>VETERINARY DIAGNOSTICS</u>	for the detection of: - Allergens - Sugars - Molecules - Enzymatic activities	SLMB, LFGB, commercial test methods
Laboratory animals:  Mice	<b>Detection of virus diseases by ELISA SMART SPOT <sup>2)</sup></b>  - 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 <sup>a)</sup> , commercial test method SMART SPOT <sup>b)</sup>

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

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 Spezification
LFGB	German Food and Feed Manual
MPN	Most Probable Number
SLMB	Swiss Food Manual
SOP	Standard operation procedures

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