

Federal Department of Economic Affairs, Education and Research EAER

#### State Secretariat for Economic Affairs SECO

Swiss Accreditation Service SAS

### STS Directory

**Accreditation number: STS 0408** 

International standard: ISO/IEC 17025:2017

Swiss standard: SN EN ISO/IEC 17025:2018

Biolytix Ltd.

Molecular Biological and Microbiological Analyses Benkenstrasse 254 4108 Witterswil Head: Adrian Härri

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Internet: <a href="http://www.biolytix.ch">http://www.biolytix.ch</a>

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

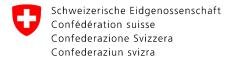
Testing laboratory for analytical services in the fields of food, feed, environment, agronomics, tobacco, cosmetics, pharmaceutics, human diagnostics and veterinary diagnostics as well as the establishment and implementation of PCR-methods for gene expression studies

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

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<sup>1)</sup> Scope of accreditation type A (fix)

<sup>2)</sup> Scope of accreditation type B (flexible)



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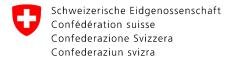
| Group of products or materials, field of activity  | Principle of measurement <sup>2), 3)</sup> (characteristics, measuring ranges, type of test)     | Test methods, remarks<br>(national, international<br>standards, in-house test<br>methods) |
|--|--|---|
| MOLECULAR BIOLOGY  | Molecular biological methods for the detection of animal and plant species <sup>3</sup> )        |   |
| Tobacco, food, seeds, plant material, feeding stuff, pharmaceutical products and cosmetics | DNA extraction Qualitative polymerase chain reaction (PCR) Quantitative real-time PCR            | In-house test methods, EU-RL<br>GMFF methods, LFGB methods,<br>EN/ISO norms               |
|  | Molecular biological methods<br>for the detection of<br>microorganisms and viruses <sup>3)</sup> |   |
|  | Qualitative real-time PCR  |   |
| Food   | for the detection of: - Salmonella spp Campylobacter jejuni/coli - Lista                         | In-house test methods   |
|  | - STEC<br>- Cronobacter sakazakii  | ISO 13136<br>BAM / ISO 22964  |
|  | Qualitative real-time PCR  |   |
| Food, faeces, water and environ-<br>mental samples   | for the detection of: - Norovirus - Hepatitis A  | In-house and commercial test methods  |
|  | Molecular biological methods for gene expression quantification <sup>3)</sup>                    |   |
| Animal, plant and human tissues, cell cultures Biopsies of laboratory animals              | RNA extraction Reverse Transcription Quantitative real-time PCR                                  | In-house and commercial test methods  |
|  | Genotyping of laboratory animals by molecular biological methods <sup>3)</sup>                   |   |
|  | DNA extraction Qualitative polymerase chain reaction (PCR) Quantitative real-time PCR            | In-house test methods   |
|  |  |   |
|  |  |   |
|  |  |   |

1) Scope of accreditation type A (fix)

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2) Scope of accreditation type B (flexible) 3) Scope of accreditation type C (flexible)

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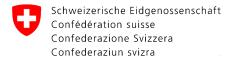
### **Accreditation number: STS 0408**

| Principle of measurement <sup>2), 3)</sup> (characteristics, measuring ranges, type of test)   | Test methods, remarks<br>(national, international<br>standards, in-house test<br>methods)   |
|--|---|
|  |   |
| Quantitative detection by pour plate method and surface-spread method, respectively 2)   |   |
| <ul> <li>Total plate count</li> <li>Enterobacteria Escherichia coli</li> <li>Coagulase-positive staphylococci</li> <li>Enterococci</li> <li>Bacillus cereus</li> <li>Yeast &amp; mold</li> </ul> | ISO 4833, ISO 6222 modified<br>ISO 21528-2<br>ISO 16649-1,ISO 16649-2,<br>ISO 9308-1<br>ISO 6888-2<br>ISO 7899-2<br>ISO 7932<br>SLMB 56 / E.10  |
| - Pseudomonas aeruginosa<br>- Listeria monocytogenes   | SLMB 56 / E.4 and ISO 16266<br>ISO 11290-1 and ISO 11290-2  |
| Qualitative detection by enrichment <sup>2)</sup>  |   |
| <ul><li>Salmonella spp.</li><li>Cronobacter sakazakii</li><li>STEC</li><li>Listeria moncytogenes</li></ul>   | EN/ISO 6579<br>ISO/TS 22964<br>ISO 13136<br>ISO 11290-1   |
| Quantitative detection by TEMPO Test method and determination of MPN <sup>2)</sup>   |   |
| - Total plate count  | Biomerieux, commercial test   |
| - Bacillus cereus  | Biomerieux, commercial test   |
| - Enterobacteriaceae   | Biomerieux, commercial test   |
| - E. coli  | Biomerieux, commercial test   |
| - Yeast & mold   | Biomerieux, commercial test   |
| - Coagulase-positive staphylococci   | Biomerieux, commercial test   |
| Quantitative detection by elution, filtration and incubation 2)  |   |
| - Total plate count  | EN ISO11737-1:2006-04   |
| - Yeast & mold   |   |
| - Anaerobic mesophilic germs   |   |
|  | (characteristics, measuring ranges, type of test)  Quantitative detection by pour plate method and surface-spread method, respectively 2)  - Total plate count - Enterobacteria Escherichia coli  - Coagulase-positive staphylococci - Enterococci - Bacillus cereus - Yeast & mold  - Pseudomonas aeruginosa - Listeria monocytogenes  Qualitative detection by enrichment 2)  - Salmonella spp Cronobacter sakazakii - STEC - Listeria moncytogenes  Quantitative detection by TEMPO Test method and determination of MPN 2)  - Total plate count - Bacillus cereus - Enterobacteriaceae - E. coli - Yeast & mold - Coagulase-positive staphylococci  Quantitative detection by elution, filtration and incubation 2)  - Total plate count - Yeast & mold |

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<sup>1)</sup> Scope of accreditation type A (fix)

<sup>2)</sup> Scope of accreditation type B (flexible) 3) Scope of accreditation type C (flexible)



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|--|---|---|
| Water, environment                                     | Quantitative detection by plate count technique <sup>2)</sup>   |   |
|  | - Legionella pneumophila  | ISO 11731 modified  |
| BIOCHEMISTRY / IMMUNOLOGY                              | ELISA 3)  |   |
| Food, feeding stuff                                    | for the detection of: - Allergens - Mycotoxins  | SLMB, LFGB, commercial test methods   |
| BIOCHEMISTRY / CHEMISTRY                               | Spectrometric and enzymatic methods <sup>3)</sup>   |   |
| Food, feeding stuff, water, medical products and items | for the detection of: - Allergens - Sugars - Molecules - Enzymatic activities   | SLMB, LFGB, commercial test methods   |
| VETERINARY DIAGNOSTICS                                 |   |   |
|  | Detection of virus diseases by ELISA SMART SPOT 2)  |   |
| Laboratory animals:                                    |   |   |
| Mice   | <ul> <li>Mouse hepatitis virus</li> <li>Mouse rotavirus (EDIM)</li> <li>Parvoviruses: Minute virus of mice, Mouse parvovirus</li> <li>Pneumonia virus of mice</li> <li>Sendai virus</li> <li>Theiler's murine encephalomyelitis virus</li> <li>Ectromelia virus</li> <li>Lymphocytic choriomeningitis virus</li> <li>Mouse adenovirus type 1 (FL)</li> <li>Mouse adenovirus type 2 (K87)</li> <li>Mouse cytomegalovirus</li> <li>Reovirus type 3</li> <li>Hanta virus</li> <li>Clostridium piliforme</li> </ul> | Modified according <sup>a)</sup> ,commercial test method SMART SPOT <sup>b)</sup> |

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<sup>1)</sup> Scope of accreditation type A (fix)

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|---|---|---|
| Rats  | <ul> <li>Parvoviruses: Kilham rat virus,<br/>Rat parvovirus, Toolan's H-1<br/>virus</li> <li>Pneumonia virus of mice</li> <li>Sendai virus</li> <li>Sialodacryoadenitis / Rat<br/>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> |

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 Spezification  |
| 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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<sup>1)</sup> Scope of accreditation type A (fix)

<sup>2)</sup> Scope of accreditation type B (flexible)