



STS Directory

Accreditation number: STS 0429

International standard: ISO/IEC 17025:2005
Swiss standard: SN EN ISO/IEC 17025:2005

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Initial accreditation: 15.03.2005
Current accreditation: 15.03.2015 to 14.03.2020
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 17.10.2016

Testing laboratory for nucleic acid sequencing and establishing of DNA profile

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Molecularbiology		
<i>E. coli</i> (cultures)	DNA-sequencing Nucleic acid isolation	Modified commercial method: - Kit Company GE Healthcare
DNA	Cycle Sequencing	Modified commercial method: - Kit Company Life Technologies
DNA, RNA	Next Generation Sequencing NGS Next Generation Sequencing NGS (massive parallel sequencing MPS)	Commercial method: - Sequencing by Synthesis, SBS, Illumina



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<p>Cheek swab</p> <p>Cheek swab, blood</p>	<p>Genotyping</p> <p>Parentage testing (paternity and parentage)</p> <p>Samples (formal consent)</p> <p>Nucleic acid isolation</p> <p>PCR</p> <p>Loci: Amelogenin, CSF1PO, D2S1338, D3S1358, D5S818, D7S820, D8S1179, D13S317, D16S539, D18S51, D19S433, D21S11, FGA, Penta D, Penta E, TH01, TPOX, vWA, SE33</p> <p>Capillary electrophoresis</p>	<p>Internal method: - AV 3.4.02.001</p> <p>Modified commercial method: - Kit Company BioRad</p> <p>Internal method: -AV 3.4.03.015</p> <p>Modified commercial methods: - PowerPlex 16 HS (Kit Company Promega) - genRES MPX-3SE (Kit Company Serac)</p> <p>Modified commercial method Company Life Technologies</p>

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