



## STS Directory

## Accreditation number: STS 0268

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

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Current accreditation: 27.07.2014 to 26.07.2019  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 07.07.2016

**Testing laboratory for microbiological examinations in the fields of pharmaceuticals, medical devices, cosmetics, foodstuffs, environment, and hygiene (production, personnel and hospital hygiene)**

Group of products or materials, field of activity	Principle of measurement <sup>2)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Pharmaceuticals and medicinal products	Sterility test	Ph. Eur. 2.6.1.; USP <71>
	Aerobic mesophilic count (TAMC)	Ph. Eur. 2.6.12.; USP <61>
	Yeasts and moulds (TYMC)	Ph. Eur. 2.6.12.; USP <61>
	Bile-tolerant gram-negative bacteria	Ph. Eur. 2.6.13.; 2.6.31.; USP <62>
	Candida albicans	Ph. Eur. 2.6.13.; USP <62>
	Clostridia	Ph. Eur. 2.6.13.; USP <62>
	Escherichia coli	Ph. Eur. 2.6.13.; 2.6.31.; USP <62>



**STS Directory**

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<b>Cosmetics</b>	Pseudomonas aeruginosa	Ph. Eur. 2.6.13.; USP <62>
	Salmonellae	Ph. Eur. 2.6.13.; 2.6.31.; USP <62>
	Staphylococcus aureus	Ph. Eur. 2.6.13.; USP <62>
	Determination of the population of microorganisms on products (bioburden)	ISO 11737-1
	Efficacy of antimicrobial preservation	Ph. Eur. 5.1.3.
	Test for bacterial endotoxins (gel clot method)	Ph. Eur. 2.6.14., USP <85>
	Evaluation of media fills (aseptic process validation)	PIC/S, document no. 007-6, 2010
	Zone of growth inhibition determination	ASM chap. 68; AV 23.3307
	Determination of the minimal inhibitory and the minimal bactericidal concentrations	ASM chap. 68/70-72 (mod.); AV 23.3308
	Aerobic mesophilic count	ISO 21149
	Yeasts and moulds	ISO 16212
	Specified and non-specified microorganisms (qualitative)	ISO 18415
	<b>Food</b>	Efficacy of antimicrobial preservation
Food sampling		SAS document no. 333.dw; HyV; LGV; AV 23.3251
<b>Quantitative test methods</b>		
Aerobic mesophilic count		ISO 4833-1 and -2; GME
Aerobic mesophilic microorganisms not belonging to the fermentation flora		SFC 1988 chap. 56 / 7.03
Aerobic mesophilic spores		SFC 1988 chap. 56 / 7.02 (mod.); AV 23.3203
Aerobic thermophilic count		ISO 4833-1 and -2 (mod.); AV 23.3201
Aerobic thermophilic spores	SFC 1988 chap. 56 / 7.02 (mod.); AV 23.3203	

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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## Accreditation number: STS 0268

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	Anaerobic mesophilic count	SFC 1988 chap. 56 / 7.04
	Anaerobic mesophilic spores	SFC 1988 chap. 56 / 7.05 (mod.); AV 23.3205
	Anaerobic thermophilic count	SFC 1988 chap. 56 / 7.04 (mod.); AV 23.3204
	Anaerobic thermophilic spores	SFC 1988 chap. 56 / 7.05 (mod.); AV 23.3205
	Bacillus cereus (presumptive)	Validated commercial procedure corresponding to ISO 7932
	Bifidobacteria	SFC 1996 chap. 56
	Clostridia, sulfite-reducing	Baumgart 2012 chap. III.1.1.; AV 23.3219
	Clostridium perfringens	SFC 1408 (mod.); AV 23.3208
	Coliforms	Validated commercial procedure corresponding to ISO 4832
	Enterobacteriaceae	ISO 21528-2
	Enterococci	SFC 1406 (mod.); AV 23.3211
	Escherichia coli	ISO 16649-2
	Lactic acid bacteria (mesophilic)	ISO 15214
	Listeria monocytogenes / Listeria spp.	Validated commercial procedure corresponding to ISO 11290-2
	Pseudomonads	ISO 13720 (mod.); AV 23.3237
	Staphylococci, coagulase-pos. (S. aureus)	Validated commercial procedure corresponding to ISO 6888-1
	Sulfite reducing anaerob. spores	GME (mod.); AV 23.3276
	<b>Qualitative test methods</b>	
	Bacillus cereus (presumptive)	ISO 21871
	Campylobacter (thermotolerant)	ISO 10272-1
	Coliforms	ISO 21528-1 (mod.); AV 23.3229
	Cronobacter spp.	ISO/TS 22964 (mod.); AV 23.3272
	Enterobacteriaceae	ISO 21528-1
	Escherichia coli	ISO 21528-1 (mod.); AV 23.3209; GME



**STS Directory**

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	Listeria monocytogenes / Listeria spp.	Validated commercial procedure corresponding to ISO 11290-1
Chip fats and oils	Salmonellae	Validated commercial procedure corresponding to ISO 6579; GME
Drinking, mineral and process water	Determination of the polar compounds	Food Oil Sensor (CAPSens 5000); GV 45.3201
	Aerobic mesophilic count	ISO 4833-1 and -2
	Clostridium perfringens	SFC 1408 (mod.); AV 23.3224
	Coliforms	ISO 4832 (mod.); AV 23.3224
	Enterococci	SFC 1406
	Escherichia coli	ISO 9308-1 (mod.); AV 23.3224
	Legionellae	ISO 11731
	Pseudomonas aeruginosa	SFC 1405
<b>Hygiene</b>		
Microbial count of surfaces	Contact plate method	ISO 18593
	Swab method	ISO 18593
	Washing method	ISO 11737-1
Microbial count of air	Impaction method	MBV MAS-100 Air Sampler; AV 23.3403
Bathing water	Aerobic mesophilic count	ISO 4833-1 and -2
	Escherichia coli	ISO 9308-1 (mod.); AV 23.3224
	Legionellae	ISO 11731
	Pseudomonas aeruginosa	SFC 1405
	Enterococci	SFC 1406
Water for dialysis	Aerobic mesophilic count	ISO 13959
<b>Production water (pharmaceutical field)</b>	Aerobic mesophilic count (TAMC)	Ph. Eur.: 2.6.12. and monographs no. 0008, 0169, 1927, and 2249 USP: <61> and <1231>
	Coliforms	ISO 4832 (mod.); AV 23.3224
	Enterococci	SFC 1406
	Escherichia coli	ISO 9308-1 (mod.); AV 23.3224

1) Scope of accreditation type A (fix)

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Bioindicators for disinfection and sterilisation processes	Pseudomonas aeruginosa Growth testing (qualitative and quantitative)	SFC 1405 Ph. Eur. 5.1.1.; USP <55>; VHD
Endoscopes	Microbial analysis of disinfected endoscopes	RKI; AV 23.3412
Faeces	Campylobacter spp. Salmonellae	ASM chap. 53; AV 23.3407 ASM chap. 35; AV 23.3407
<b>Identification of microorganisms</b>	Macroscopic and microscopic identification of bacteria and fungi Biochemical identification of bacteria Mass spectrometric identification of bacteria and yeasts	Microscopy, different staining methods; AV 23.3524, CL 23.3529 Different traditional procedures: AV 23.3524, CL 23.3529 MALDI Biotyper (Bruker Daltonics GmbH); AV 23.3527
<b>Chemical disinfectants and antiseptics</b>	Quantitative suspension test, bactericidal activity (basic test; phase 1) Quantitative suspension test, fungicidal/yeastocidal activity (basic test; phase 1) Quantitative suspension test, bactericidal activity (phase 2 / step 1) Quantitative suspension test, fungicidal/yeastocidal activity (phase 2 / step 1) Quantitative surface test, bactericidal and fungicidal activity (phase 2 / step 2) Hygienic hand disinfection (phase 2 / step 2) Disinfecting hand washing (phase 2 / step 2)	EN 1040 EN 1275 EN 1276 EN 1650 EN 13697 EN 1500 EN 1499
<b>Antimicrobial polymers</b>	Determination of the antimicrobial activity	ASTM E-2180-07 (mod.); AV 23.3449



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Abbreviation	Signification
ASM	J. Versalovic et al. (eds.), Manual of Clinical Microbiology, 10th edition, ASM Press, Washington, DC, 2011)
ASTM	American Society for Testing and Materials
Baumgart	J. Baumgart, B. Becker, R. Stephan (eds.), Mikrobiologische Untersuchung von Lebensmitteln (Loose-leaf collection), Behr's, Hamburg
EM	European Standard
GME	Monography „Standardised Methods for the Testing of Edible Gelatin“ of the GME (Gelatin Manufacturers of Europe)
HyV	Swiss Hygiene Regulation (SR 817.024.1)
ISO	International Standardisation Organisation
LGV	Federal Act on Foodstuffs and Utility Articles (SR 817.02)
Ph. Eur.	Pharmacopoea Europaea, current edition
PIC/S	Pharmaceutical Inspection Convention and Pharmaceutical Inspection Co-operation Scheme
RKI	Robert Koch Institute („Richtlinie für Krankenhaushygiene und Infektionsprävention“)
SFC	Swiss Food Compendium
TAMC	Total Aerobic Microbial Count
TYMC	Total Combined Yeasts and Moulds Count
USP	United States Pharmacopeia, current edition
VHD	Vereinigung der Hygiene-Fachkräfte der Bundesrepublik Deutschland e.V. („Checkliste hygienerelevanter Umgebungsuntersuchungen“)

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