



## SCS Directory

Accreditation number: SCS 0117

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

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Internet: <http://www.mt.com>  
Initial accreditation: 30.07.2008  
Current accreditation: 30.07.2023 to 29.07.2028  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 30.07.2023

#### Calibration laboratory for volume

##### Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
<b>VOLUME</b> Piston-operated volumetric apparatus:  Dispensers Piston pipettes Piston burettes	<b>0,1 <math>\mu</math>l ... 2 <math>\mu</math>l</b>  0,1 $\mu$ l 0,2 $\mu$ l 1 $\mu$ l 2 $\mu$ l <b>1 <math>\mu</math>l ... 10 <math>\mu</math>l</b> 1 $\mu$ l	Gravimetric methods acc. to ISO 8655	          26 nl 29 nl 32 nl 36 nl  32 nl	Also calibration on site



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
	5 $\mu$ l		40 nl	
	10 $\mu$ l		50 nl	
	<b>2 <math>\mu</math>l ... 20 <math>\mu</math>l</b>			
	2 $\mu$ l		36 nl	
	10 $\mu$ l		50 nl	
	20 $\mu$ l		70 nl	
	<b>5 <math>\mu</math>l ... 50 <math>\mu</math>l</b>			
	5 $\mu$ l		40 nl	
	25 $\mu$ l		90 nl	
	50 $\mu$ l		200 nl	
	<b>10 <math>\mu</math>l ... 100 <math>\mu</math>l</b>			
	10 $\mu$ l		50 nl	
	50 $\mu$ l		200 nl	
	100 $\mu$ l		400 nl	
	<b>20 <math>\mu</math>l ... 200 <math>\mu</math>l</b>			
	20 $\mu$ l		70 nl	
	100 $\mu$ l		400 nl	
	200 $\mu$ l		800 nl	
	<b>100 <math>\mu</math>l ... 1000 <math>\mu</math>l</b>			
	100 $\mu$ l		400 nl	
	500 $\mu$ l		1300 nl	
	1000 $\mu$ l		1800 nl	
	<b>200 <math>\mu</math>l ... 2000 <math>\mu</math>l</b>			
	200 $\mu$ l		800 nl	
	1000 $\mu$ l		1800 nl	
	2000 $\mu$ l		6000 nl	
	<b>500 <math>\mu</math>l ... 5000 <math>\mu</math>l</b>			
	500 $\mu$ l		1,3 $\mu$ l	
	2500 $\mu$ l		6 $\mu$ l	
	5000 $\mu$ l		16 $\mu$ l	



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
Gravimetric methods Multichannel piston pipettes	<b>1000 <math>\mu</math>l ... 10000 <math>\mu</math>l</b>			
	1000 $\mu$ l		1,8 $\mu$ l	
	5000 $\mu$ l		16 $\mu$ l	
	10000 $\mu$ l		20 $\mu$ l	
	<b>2000 <math>\mu</math>l ... 20000 <math>\mu</math>l</b>			
	2000 $\mu$ l		6 $\mu$ l	
	10000 $\mu$ l		20 $\mu$ l	
	20000 $\mu$ l		42 $\mu$ l	
	<b>5000 <math>\mu</math>l ... 50000 <math>\mu</math>l</b>			
	5000 $\mu$ l		16 $\mu$ l	
	25000 $\mu$ l		42 $\mu$ l	
	50000 $\mu$ l		61 $\mu$ l	
	<b>10000 <math>\mu</math>l ... 100000 <math>\mu</math>l</b>			
	10000 $\mu$ l		20 $\mu$ l	
	50000 $\mu$ l		61 $\mu$ l	
	100000 $\mu$ l		86 $\mu$ l	
	<b>1 <math>\mu</math>l ... 10 <math>\mu</math>l</b>			
	1 $\mu$ l		80 nl	
	5 $\mu$ l		85 nl	
	10 $\mu$ l		100 nl	
<b>5 <math>\mu</math>l ... 50 <math>\mu</math>l</b>				
5 $\mu$ l		85 nl		
25 $\mu$ l		150 nl		
50 $\mu$ l		385 nl		
<b>30 <math>\mu</math>l ... 300 <math>\mu</math>l</b>				
30 $\mu$ l		400 nl		
150 $\mu$ l		465 nl		
300 $\mu$ l		875 nl		
<b>125 <math>\mu</math>l ... 1250 <math>\mu</math>l</b>				

1) The given extended measurement uncertainty is the standard uncertainty of the measurement multiplied by an extension factor  $k = 2$ , which corresponds to a confidence level of about 95% for a normal distribution.



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
	125 $\mu$ l		1,9 $\mu$ l	
	625 $\mu$ l		2,4 $\mu$ l	
	1250 $\mu$ l		2,7 $\mu$ l	

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

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