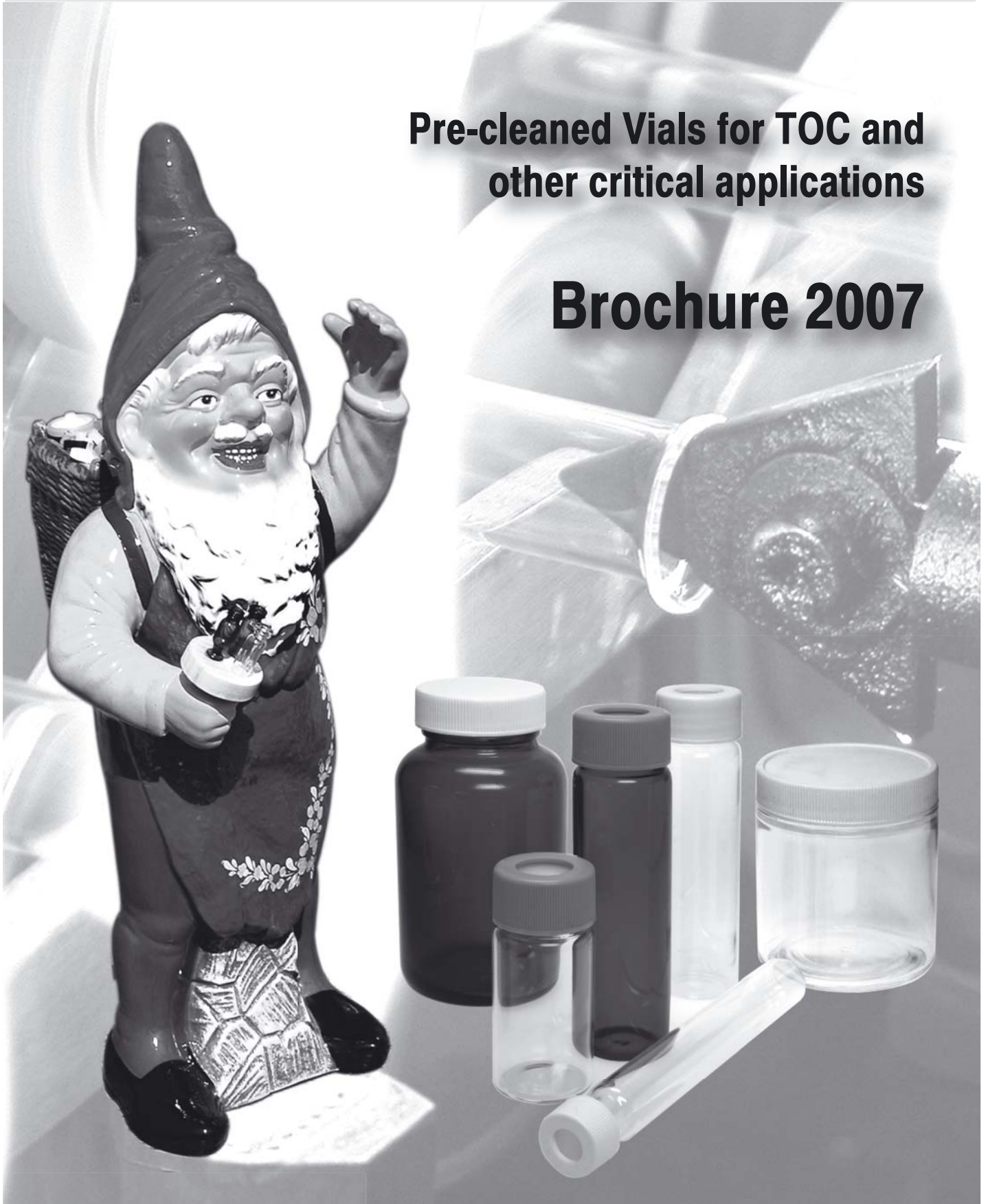


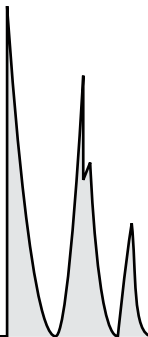
# **infochroma ag**

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**Pre-cleaned Vials for TOC and  
other critical applications**

**Brochure 2007**





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e-mail: [info@infochroma.ch](mailto:info@infochroma.ch), [www.infochroma.ch](http://www.infochroma.ch)

**Price:** All prices listed are net CHF prices. They are valid for the quantity break and price unit under which they are listed. All prices are ex works Zug excl. VAT, excl. Postage and Packaging CHF 12.00. Prices are subject to change without notice.

**Valid:** from 01.02.2007

**Payment:** 30 days net



### samples for testing

We are happy to provide samples for test purposes. Please contact us

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**Brochure:** infochroma ag, Zug, CH

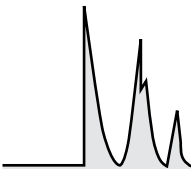
**Text:** infochroma ag, Zug, CH

**Pictures:** infochroma ag, Zug, CH

**Cover:** infochroma ag, Zug, CH

Gnomes from the Gartenzwerghmanufaktur  
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[www.zwergen-griebel.de](http://www.zwergen-griebel.de)  
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## TOC Certified Vials

### 20 & 40 ml Screw Vial pre-cleaned for TOC

from borosilicate glass with aqua coloured open-top Screw Cap assembled with 1.5 mm\* thick silicone/PTFE Septa, without certificate of Analysis

\* also available with 3.2 mm thick septa, replace -15 with -32; eg. 8074-40-H/TOC-32

Volume	Glass	Size	TOC	Product No.
20 ml	clear	27 x 57 mm	pre-cleaned	8074-20-H/TOC-15
40 ml	clear	27 x 95 mm	pre-cleaned	8074-40-H/TOC-15
40 ml	amber	27 x 95 mm	pre-cleaned	8074-40-D/TOC-15



### 20 & 40 ml Screw Vial pre-cleaned for TOC < 30 ppb\*\*

from borosilicate glass with aqua coloured open-top Screw Cap assembled with 1.5 mm\* thick silicone/PTFE Septa, with certificate of Analysis

\* also available with 3.2 mm thick septa, replace -15 with -32; eg. 8074-40-H/TOC30-32

Volume	Glass	Size	TOC (ppb)	Product No.
20 ml	clear	27 x 57 mm	< 30	8074-20-H/TOC30-15
40 ml	clear	27 x 95 mm	< 30	8074-40-H/TOC30-15
40 ml	amber	27 x 95 mm	< 30	8074-40-D/TOC30-15

\*\* since this product is a new addition to our programme min. order quantity is 10 Pack; allow a longer delivery delay for orders of less than < 10 Packs

### 40 ml Screw Vial pre-cleaned for TOC < 20 ppb and < 10 ppb

from borosilicate glass with white open-top Screw Cap assembled with 1.5 mm\* thick silicone/PTFE Septa, with certificate of Analysis

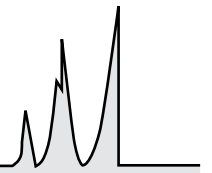
Volume	Glass	Size	TOC (ppb)	Product No.
40 ml	clear	28 x 96 mm	< 20	8E40-TOC20-15
40 ml	clear	28 x 96 mm	< 10	8E40-TOC10-15
40 ml	amber	28 x 96 mm	< 10	8E40A-TOC10-15



### Culture Tubes pre-cleaned for TOC < 20 ppb and < 10 ppb

from borosilicate glass with white open-top Screw Cap assembled with 1.5 mm\* thick silicone/PTFE Septa, with certificate of Analysis

Volume	Glass	Size	TOC (ppb)	Product Nr.
17 ml	clear	18 x 100 mm	< 20	8E17-TOC20-15
18 ml	clear	16 x 125 mm	< 20	8E18-TOC20-15
18 ml	clear	16 x 125 mm	< 10	8E18-TOC10-15
60 ml	clear	25 x 150 mm	< 20	8E60-TOC20-15



## 20 & 40 ml Screw Vials Certified for VOC

### Cleaning Procedure EPA Protocol „B“

1. Vial, Septa and Screw Cap are washed in laboratory grade, biodegradable, non-phosphate detergent
2. rinsed three times with tap water
3. rinsed three times with ASTM Type 1 deionized water
4. oven dried
5. assembled in organic-free environment

Class 200: without Certificat of Analysis  
Class 300: with Certificat of Analysis



### borosilicate glass with open-top Screw Cap assembled with 1.5 mm thick Silicone/PTFE Septa

Volume	Glass	Size	Septa	EPA Class	Product No.
20 ml	clear	27 x 57 mm	1.5 mm	200; pre-cleaned without Certificat of Analysis	8074-20-H//EPA200-15
20 ml	clear	27 x 57 mm	1.5 mm	300; pre-cleaned with Certificat of Analysis	8074-20-H//EPA300-15
20 ml	amber	27 x 57 mm	1.5 mm	200; pre-cleaned without Certificat of Analysis	8074-20-D//EPA200-15
20 ml	amber	27 x 57 mm	1.5 mm	300; pre-cleaned with Certificat of Analysis	8074-20-D//EPA300-15

40 ml	clear	27 x 95 mm	1.5 mm	200; pre-cleaned without Certificat of Analysis	8074-40-H//EPA200-15
40 ml	clear	27 x 95 mm	1.5 mm	300; pre-cleaned with Certificat of Analysis	8074-40-H//EPA300-15
40 ml	amber	27 x 95 mm	1.5 mm	200; pre-cleaned without Certificat of Analysis	8074-40-D//EPA200-15
40 ml	amber	27 x 95 mm	1.5 mm	300; pre-cleaned with Certificat of Analysis	8074-40-D//EPA300-15

Prize in CHF/price unit (PE); excl. VAT		Quantity [Pk.]		
Product No.	Pack of	1 Case	3 Cases	10 Cases
8074-20-D/EPA200-15	72 pcs	193.00 / 1 cs	183.00 / 1 cs	165.00 / 1 cs
8074-20-D/EPA300-15	72 pcs	290.00 / 1 cs	275.00 / 1 cs	248.00 / 1 cs
8074-20-H/EPA200-15	72 pcs	178.00 / 1 cs	169.00 / 1 cs	152.00 / 1 cs
8074-20-H/EPA300-15	72 pcs	270.00 / 1 cs	250.00 / 1 cs	225.00 / 1 cs
8074-20-H/TOC-15	72 pcs	211.00 / 1 cs	200.00 / 1 cs	180.00 / 1 cs
8074-20-H/TOC30-15	72 pcs	290.00 / 1 cs	273.00 / 1 cs	246.00 / 1 cs
8074-40-D/EPA200-15	72 pcs	205.00 / 1 cs	194.00 / 1 cs	175.00 / 1 cs
8074-40-D/EPA300-15	72 pcs	310.00 / 1 cs	286.00 / 1 cs	258.00 / 1 cs
8074-40-D/TOC-15	72 pcs	240.00 / 1 cs	228.00 / 1 cs	205.00 / 1 cs
8074-40-D/TOC30-15	72 pcs	330.00 / 1 cs	306.00 / 1 cs	276.00 / 1 cs
8074-40-H/EPA200-15	72 pcs	190.00 / 1 cs	180.00 / 1 cs	162.00 / 1 cs
8074-40-H/EPA300-15	72 pcs	280.00 / 1 cs	261.00 / 1 cs	235.00 / 1 cs
8074-40-H/TOC-15	72 pcs	222.00 / 1 cs	211.00 / 1 cs	190.00 / 1 cs
8074-40-H/TOC30-15	72 pcs	300.00 / 1 cs	284.00 / 1 cs	256.00 / 1 cs
8E17-TOC20	200 pcs	730.00 / 1 cs	700.00 / 1 cs	620.00 / 1 cs
8E18-TOC10	255 pcs	730.00 / 1 cs	700.00 / 1 cs	620.00 / 1 cs
8E18-TOC20	255 pcs	900.00 / 1 cs	860.00 / 1 cs	770.00 / 1 cs
8E40-TOC10-15	72 pcs	480.00 / 1 cs	460.00 / 1 cs	410.00 / 1 cs
8E40-TOC20-15	72 pcs	330.00 / 1 cs	316.00 / 1 cs	282.00 / 1 cs
8E40A-TOC10-15	144 pcs	880.00 / 1 cs	840.00 / 1 cs	750.00 / 1 cs
8E60-TOC20	144 pcs	1240.00 / 1 cs	1180.00 / 1 cs	1060.00 / 1 cs

## Depyrogenated & Sterile empty Vials

### Depyrogenated Glass Jars

- ☛ Cleaning and packaging performed in a class 100/10
- ☛ Endotoxin of less than 0.06 EU/ml
- ☛ with Certificate of Analysis

Depyrogenation destroys and removes Endotoxines. Endotoxines are fever producing substances which are found in the cell wall of certain bacteria. Depyrogenated products have reduced endotoxin content by at least 99.9%.

Common applications are Injectable or parenteral drugs, Lyophilization, Final packaging prior to drug delivery, stability studies, clinical trials



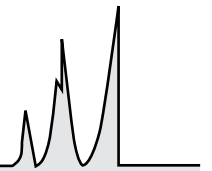
Volume	Glass	Size	Screw Thread	Description	Product No.
60 ml	clear	58 x 48 mm	53-400	Straight Sided Wide-Mouth Jar	8E60-SWM-PF
60 ml	amber	41 x 76 mm	33-400	Wide-Mouth Jar	8E60A-WM-PF
125 ml	clear	60 x 67 mm	58-400	Straight Sided Wide-Mouth Jar	8E125-SWM-PF
125 ml	amber	54 x 95 mm	38-400	Wide-Mouth Jar	8E125A-WM-PF
500 ml	clear	89 x 98 mm	89-400	Straight Sided Wide-Mouth Jar	8E500-SWM-PF

### Depyrogenated, sterile Glass Vials with Butylrubber Stopper and Aluminium Crimp Cap

- ☛ Certificate of Sterility & Pyrogen Test included with each lot
- ☛ Borosilicate Glass



Volume	Glass	Size	Description	Product No.
1 ml	clear	12 x 30 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E01-11CV-ST
2 ml	clear	13 x 33 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E02-13CV-ST
5 ml	clear	15 x 50 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E05-13CV-ST
5 ml	clear	20 x 38 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E05-20CV-ST
10 ml	clear	20 x 50 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E10-20CV-ST
20 ml	clear	25 x 59 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E20-20CV-ST
30 ml	clear	33 x 63 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E30-20CV-ST
50 ml	clear	38 x 68 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E50-20CV-ST
100 ml	clear	44 x 95 mm	Crimp Vial with Butylrubber Stopper and Aluminium Crimp Cap	8E100-20CV-ST

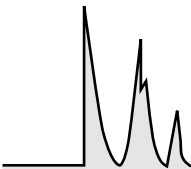


## Custody Seal 8074-CS-100

Custody Seals fit over vial cap or container to ensure closure integrity during transport. The seal includes space for the sampler's name and data.



Prize in CHF/Price Unit (PE); excl. VAT		Quantity [Pk.]		
Produkt Nr.	Pack of	1 Pack	3 Pack	10 Pack
8074-CS-100	100 pcs	27.00 / 1 cs	25.50 / 1 cs	23.00 / 1 cs
8E01-11CV-ST	100 pcs	320.00 / 1 cs	299.00 / 1 cs	267.00 / 1 cs
8E02-13CV-ST	100 pcs	340.00 / 1 cs	318.00 / 1 cs	284.00 / 1 cs
8E05-13CV-ST	50 pcs	234.00 / 1 cs	224.00 / 1 cs	200.00 / 1 cs
8E05-20CV-ST	50 pcs	215.00 / 1 cs	205.00 / 1 cs	183.00 / 1 cs
8E10-20CV-ST	50 pcs	202.00 / 1 cs	194.00 / 1 cs	173.00 / 1 cs
8E100-20CV-ST	50 pcs	440.00 / 1 cs	420.00 / 1 cs	380.00 / 1 cs
8E125-SWM-PF	24 pcs	250.00 / 1 cs	231.00 / 1 cs	206.00 / 1 cs
8E125A-WM-PF	24 pcs	250.00 / 1 cs	232.00 / 1 cs	207.00 / 1 cs
8E20-20CV-ST	50 pcs	300.00 / 1 cs	278.00 / 1 cs	249.00 / 1 cs
8E30-20CV-ST	50 pcs	270.00 / 1 cs	254.00 / 1 cs	227.00 / 1 cs
8E50-20CV-ST	50 pcs	430.00 / 1 cs	420.00 / 1 cs	370.00 / 1 cs
8E500-SWM-PF	12 pcs	450.00 / 1 cs	430.00 / 1 cs	390.00 / 1 cs
8E60-SWM-PF	24 pcs	231.00 / 1 cs	221.00 / 1 cs	197.00 / 1 cs
8E60A-WM-PF	24 pcs	240.00 / 1 cs	229.00 / 1 cs	204.00 / 1 cs



## Silanized Autosampler Vials

### Silanized Crimp Vials



<p><b>8N02-CV-H/SZ</b> 2 ml Crimp Vial, clear borosilicate glass, silanized; size 12 x 32 mm</p>	<p><b>8N02-CV-D/SZ</b> 2 ml Crimp Vial, amber borosilicate glass, silanized; size 12 x 32 mm</p>	<p><b>8N02-CV-H/HR15/SZ</b> 1.5 ml High Recovery Crimp Vial, clear borosilicate glass, silanized; size 12 x 32 mm</p>
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### Silanized Snap/Crimp Vials



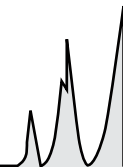
<p><b>8002-SC-H/SZ</b> 2 ml Sanp/Crimp Vial, clear borosilicate glass, silanized; size 12 x 32 mm</p>	<p><b>8N02-SC-D/SZ</b> 2 ml Snap/Crimp Vial, amber borosilicate glass, silanized; size 12 x 32 mm</p>	<p><b>8N02-SC-H/HR15/SZ</b> 1.5 ml High Recovery Snap/Crimp Vial, clear borosilicate glass, silanized; size 12 x 32 mm</p>
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### Silanized Agilent compatible Screw Vials



<p><b>8N04-HP-H/SZ</b> 2 ml Agilent compatible Screw Vial, clear borosilicate glass, silanized; size 12 x 32 mm</p>	<p><b>8N04-HP-D/SZ</b> 2 ml Agilent compatible Screw Vial, amber borosilicate glass, silanized; size 12 x 32 mm</p>	<p><b>8N04-HP-H/HR15/SZ</b> 1.5 ml Agilent compatible High Recovery Screw Vial, clear borosilicate glass, silanized; size 12 x 32 mm</p>
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# Silanized Autosampler Vials



## Silanized Narrow Mouth & Wide Mouth Screw Vials



<b>8N04-NM-H/SZ</b> 2 ml Narrow-Mouth Screw Vial, clear borosilicate glass, silanized; size 12 x 32 mm	<b>8N04-WM-H/SZ</b> 2 ml Wide-Mouth Screw Vial, clear borosilicate glass, silanized; size 12 x 32 mm	<b>8N04-WM-D/SZ</b> 2 ml Wide-Mouth Screw Vial, amber borosilicate glass, silanized; size 12 x 32 mm
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## Silanized Inserts



<b>8002-SC-i3µ/SZ</b> 300 µl Insert, clear borosilicate glass, silanized; size 6 x 29 mm	<b>8002-i5µ/SZ</b> 500 µl Insert, clear borosilicate glass, silanized; size 6 x 29 mm
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Other vials from our vial programme are available silanized on request.  
 Contact us!  
 We are happy to send you a quotation.

Prize in CHF/Price Unit (PE); excl. VAT		Quantity [pcs.]		
Product No.	Pack à	500 pcs	1000 pcs	5000 pcs
8002-i5µ/SZ	100 pcs	48.00 / 100 pcs	41.00 / 100 pcs	37.00 / 100 pcs
8002-SC-i3µ/SZ	100 pcs	175.00 / 100 pcs	151.00 / 100 pcs	137.00 / 100 pcs
8N02-CV-D/SZ	100 pcs	67.00 / 100 pcs	58.00 / 100 pcs	53.00 / 100 pcs
8N02-CV-H/HR15/SZ	100 pcs	240.00 / 100 pcs	202.00 / 100 pcs	184.00 / 100 pcs
8N02-CV-H/SZ	100 pcs	65.00 / 100 pcs	56.00 / 100 pcs	51.00 / 100 pcs
8N02-SC-D/SZ	100 pcs	74.00 / 100 pcs	64.00 / 100 pcs	58.00 / 100 pcs
8N02-SC-H/HR15/SZ	100 pcs	260.00 / 100 pcs	216.00 / 100 pcs	197.00 / 100 pcs
8N02-SC-H/SZ	100 pcs	68.00 / 100 pcs	58.00 / 100 pcs	53.00 / 100 pcs
8N04-HP-D/SZ	100 pcs	68.00 / 100 pcs	58.00 / 100 pcs	53.00 / 100 pcs
8N04-HP-H/HR15/SZ	100 pcs	260.00 / 100 pcs	220.00 / 100 pcs	200.00 / 100 pcs
8N04-HP-H/SZ	100 pcs	62.00 / 100 pcs	54.00 / 100 pcs	49.00 / 100 pcs
8N04-NM-H/SZ	100 pcs	71.00 / 100 pcs	61.00 / 100 pcs	56.00 / 100 pcs
8N04-WM-D/SZ	100 pcs	81.00 / 100 pcs	70.00 / 100 pcs	64.00 / 100 pcs
8N04-WM-H/SZ	100 pcs	74.00 / 100 pcs	64.00 / 100 pcs	58.00 / 100 pcs

## Available Container Processing

Process	common Applications	Description
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## Silanization &amp; Siliconisation &amp; Particle Cleaning

Silanization	Proteins, assays of blood serum, pharmacological assays of therapeutic drugs	Silanizing neutralizes active sites in glassware. This prevents the sample to react with active sites in the glass.
Siliconization	Proteins, assays of blood serum, pharmacological assays of therapeutic drugs	Siliconized products are physically coated with medical-grade silicone emulsion to prevent the sample to react with active sites in the glass.
Particle Cleaning	Numerous applications in the pharmaceutical, biotech, medical, semiconductor industries, and anywhere cleanrooms or controlled environments are utilized	17 M $\Omega$ reines, electronics-grade water filtered to sub-micron levels is heated and used for the particulate cleaning process.

## TOC &amp; VOC certified &amp; USP Purified Water and WFI Rinses

TOC	Validation of water systems and cleaning validations, TOC trace analysis	Total organic carbon (TOC) is a measure of the amount of carbon covalently bound in organic molecules in a water sample.
VOC	Trace analysis of volatile organic compounds (VOC)	Cleaning following EPA Protocol „B“
USP Purified Water and WFI Rinses	Clean Room Applications in the pharmaceutical, biotech, medical, and semiconductor industries	Für den Nachweis kleinster TOC Gehalte beispielsweise in Pharmawässern: Reinigung mit Reinstwasser und WFI Spülung für pyrogenfreie oder sterile Behältnisse.

## Sterilization

Steam Sterilization	Injectable or parenteral drugs, lyophilization, final packaging prior to drug delivery, stability studies	Sterilization involving steam, heat and pressure to destroy all viable forms of life, including bacterial spores to an acceptable sterility assurance level (SAL) of 10 <sup>-6</sup> .
Irradiation	Injectable or parenteral drugs, lyophilization, final packaging prior to drug delivery, stability studies, clinical trials	A radiation dose sufficient to destroy all viable forms of life including bacterial spores, is applied to an acceptable sterility level (SAL). A typical radiation dose is 25-40 kGy, which produces the required SAL of 10 <sup>-6</sup> .
Sterile Foil-Wrap	Injectable or parenteral drugs, stability studies, clinical trials	Sterilization via a validated dry-heat, foil-wrap method. Stoppers and seals are sterilized via autoclave methods.
Depyrogenation <i>validated 3-log reduction</i>	Injectable or parenteral drugs, Lyophilization, Final packaging prior to drug delivery, stability studies, clinical trial	Depyrogenation destroys and removes Endotoxines. Endotoxines are fever producing substances which are found in the cell wall of certain bacteria. Depyrogenated products have reduced endotoxin content by at least 99.9%.
RNase & DNase	molecular biology, in the pharmaceutical and medical research fields	Ribonuclease, is a nuclease that catalyzes the hydrolysis of RNA into smaller components. RNase A for example is one of the hardest enzymes in common laboratory usage. Nucleases are omnipresent contaminants in the laboratory environment today, and while bacterial contamination is still a major concern for molecular biologists in the pharmaceutical and medical research fields, sterilization methods such as gamma irradiation and autoclaving do not remove RNase, DNase and pyrogens.