

## SVETSKI LIDER U PROIZVODNJI POTROŠNOG MATERIJALA ZA HPLC, GC I HEADSPACE ANALIZE

VISOK KVALITET SIROVINA ZA PROIZVODNJU SVIH PROIZVODA.

VRLO STROGI HIGIJENSKI ZAHTEVI POD KOJIMA SE PROIZVODNJA ODVIJA.

OPTO-ELEKTRONSKA KONTROLA KVALITETA TOKOM PROIZVODNIH PROCESA I FINALNA QC.

POSLEDNJA REČ TEHNOLOGIJE U KONTROLI SVAKE JEDINICE KOJA OBEZBEĐUJE 100% KONTROLU PROIZVODA KORIŠĆENJEM SISTEMA COLOR KAMERA VELIKE BRZINE KOJE OBEZBEĐUJU MOMENTALNO OTKLANJANJE NEISPRAVNOG PROIZVODA .

MERNI UREĐAJI ZA ODREĐIVANJE SILA PRODORA ZA SVAKU SEPTU.

POTPUNO AUTOMATIZOVANA PROIZVODNJA I 100% TAČNO OPTO-ELEKTRONSKO BROJANJE I PAKOVANJE.

PROIZVODI KOMPATIBILNI SA SVIM RELEVANTNIM PROIZVOĐAČIMA HPLC, GC I HEADSPACE OPREME  
AUTOSAMPLER COMPATIBILITY CHART – PRECIZNO DEFINISE KOJI **LA - PHA - PACK** PROIZVOD POTPUNO ODGOVARA TIPU AUTOSAMPLERA KORISNIKA.

MOGUĆNOST PROIZVODNJE CUSTOM MADE - U SKLADU SA POTREBAMA KORISNIKA  
DIN EN ISO 9001:2015

### 4 different certification „levels“ on the market:

- Specification Certified
  - Only the physical dimensions and the fit for specific autosamplers is certified. NO chromatographic data!



- HPLC/GC certified
  - The vial and/or vial/closure combination is tested by GC/FID and LC/UV Chromatograms available.



- LC/MS, GC/MS certified
  - The vial and/or vial/closure combination is tested by GC/MS and LC/MS Chromatograms available.



- MSCERT Kits
  - The vials are LC/MS tested AND cleaned up!
  - Only Thermo Scientific National



## Chromatography Consumables for Pharma and Bio-Pharma Selections

Not every chromatographer has the need for the same vial & closure or the same sample handling container. The here shown selection represent the most used and helpful autosampler products for this segment of the business.

- **Certified KITS**
- **Screw, Crimp and Snap Ring Vials & Closures**
- **Plastic and Microsampling Vials**
- **Well Plates and Seal mats**
- **Vial Rack**

The selection has been made by experts in order to meet the special requirements of this segment and the connected challenges of the “to be analyzed” samples and molecules. It might not be complete but represents 90% of the core products.

### LC/MS-GC/MS certified KITS & HPLC/GC certified KITS

3.900,00  
RSD



**11 40 2556**

HPLC/GC Certified Vial Kit: 1.5ml Short Thread Vial, clear glass, 1st hydrolytic class, label; UltraClean Closure: 9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE red, 55° shore A, 1.0mm



**11 40 2557**

HPLC/GC Certified Vial Kit: 1.5ml Short Thread Vial, clear glass, 1st hydrolytic class, label; UltraClean Closure: 9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE red, 55° shore A, 1.0mm



**11 40 3196**

LC/MS and GC/MS Certified Vial Kit: 1.5ml Short Thread SureStop™ Vial, 32 x 11.6mm, clear glass, wide opening, with overwind-barrier; Ultra High Performance Seal: PP Short Thread Cap, blue, centre hole; Silicone darkblue-translucent/PTFE natural, 35° shore A, 1,0mm



**11 40 3197**

LC/MS and GC/MS Certified Vial Kit: 1.5ml Short Thread SureStop™ Vial, 32 x 11.6mm, amber glass, wide opening, with overwind-barrier; Ultra High Performance Seal: PP Short Thread Cap, blue, centre hole; Silicone darkblue-translucent/PTFE natural, 35° shore A, 1,0mm

**Short Thread Vials ND9**



**7,00 RSD**

**11 09 0519**

1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, 1st hydrolytic class, wide opening, label and filling lines



**7,00 RSD**

**11 09 0520**

1.5ml Short Thread Vial, 32 x 11.6mm, amber glass, 1st hydrolytic class, wide opening, label and filling lines



**11 09 2746**

1.5ml Short Thread SureStop™ Vial, 32 x 11.6mm, clear glass, 1st hydrolytic class, wide opening, with overwind-barrier

**Microsampling Vials ND9**



**11 09 2357**

Short Thread Vial with integrated Micro-Insert, 32 x 11.6mm, clear glass, 1st hydrolytic class, Base bonded



**11 09 2656**

Short Thread Vial with integrated Micro-Insert, 32 x 11.6mm, amber glass, 1st hydrolytic class, Base bonded



**11 09 0620**

1.1ml Microliter Short Thread Vial ND9, 32 x 11.6mm, clear glass, 1st hydrolytic class

**Plastic Vials ND9**



**14,00 RSD**

**11 19 1205**

1.5ml PP Short Thread Vial, 32 x 11.6mm, transparent, with filling lines



**11 19 1706**

0.7ml PP Short Thread Micro-Vial, 32 x 11.6mm, transparent



**11 19 0932**

0.7ml PP Short Thread Micro-Vial, 32 x 11.6mm, transparent

### PP Short Thread Seals ND9



09 15 1819	09 15 0838	09 15 0869
9mm Combination Seal: PP Short Thread Cap, transparent, centre hole; Natural Rubber red-orange/TEF transparent, 60° shore A, 1.0mm	UltraClean Closure: 9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE red, 55° shore A, 1.0mm	9mm Combination Seal: PP Short Thread Cap, blue, centre hole; Silicone white/PTFE blue, 55° shore A, 1.0mm, slit

### Snap Ring Vials and Seals ND11



11 09 0644	11 09 0645
1.5ml Snap Ring Vial, 32 x 11.6mm, clear glass, 1st hydrolytic class, wide opening, label and filling lines	1.5ml Snap Ring Vial, 32 x 11.6mm, amber glass, 1st hydrolytic class, wide opening, label and filling lines

### PE Snap Ring Seals ND11



11 15 2107	11 15 1151	11 15 1269
11mm Combination Seal: PE-Snap Ring Cap, blue, with centre hole; RedRubber/PTFE beige, 45° shore A, 1.0mm	UltraClean Closure: 11mm PE Snap Ring Cap, blue, centre hole; Silicone white/PTFE red, 45° shore A, 1.3mm	11mm Combination Seal: PE Snap Ring Cap, blue, centre hole; Silicone white/PTFE blue, 55° shore A, 1.0mm, cross-slitted

## Well Plates and Sealmats



**08 05 2926**

Deep Well Microplate, PP, 96 Positions, certified, height 14.7mm, V-shape, 7mm dia., 220µl total volume (non coated, non sterile)

**08 05 2920**

Deep Well Microplate, PP, 96 Positions, certified, height 41.6mm, U-shape, 7mm dia., 1000µl total volume (non coated, non sterile)

**08 05 2921**

Square Well Microplate, PP, 96 Positions, certified, height 44.4mm, V-shape, 7mm dia., 2000µl total volume (non coated, non sterile)



**08 29 2949**

Sealmat, MicroMat CLR, clear, Silicone, for 96 position Deep Well Microplate, round well - flat base, 7mm diameter

**08 29 2933**

Sealmat, blue, Silicone/PTFE, for 96 position Deep Well Microplate, round well, flat base, 7mm diameter (non steril)

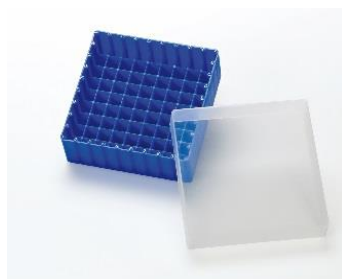
**08 29 2939**

Sealmat, MicroMat CLR, clear, Silicone, for 96 position Square Well Microplate (non sterile)

**08 29 2938**

Sealmat, blue, Silicone/PTFE, for 96 position Square Well Microplate

## PP Storage Box and Vial Rack



**12 21 2420**

PP Storage Box for 1,5ml vials or 2ml shell vials, blue, with cover (130 x 130 x 45mm), 81 cavities with alphanumeric coding of all 4 margins as well as the cavities at the bottom

**12 21 2187**

PP Vial-Rack, (200 x 105 x 17mm), for 1.5ml vials, 50 cavities, blue, stackable

# Chromatography Consumables for Environmental Selections

Not every chromatographer has the need for the same vial & closure or the same sample handling container. The here shown selection represent the most used and helpful autosampler products for this segment of the business.

- **Certified KITS**
- **Screw and Crimp Vials & Closures**
- **Plastic and Microsampling Vials**
- **Headspace Vials & Closures**
- **Crimping Tools**

The selection has been made by experts in order to meet the special requirements of this segment and the connected challenges of the “to be analyzed” samples and molecules. It might not be complete but represents 90% of the core products.

## LC/MS-GC/MS certified KITS & HPLC/GC certified KITS



3.900,00 RSD

11 40 2556

11 40 2557

11 40 3196

11 40 3197

HPLC/GC Certified Vial Kit: 1.5ml Short Thread Vial, clear glass, 1st hydrolytic class, label; UltraClean Closure: 9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE red, 55° shore A, 1.0mm

HPLC/GC Certified Vial Kit: 1.5ml Short Thread Vial, clear glass, 1st hydrolytic class, label; UltraClean Closure: 9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE red, 55° shore A, 1.0mm

LC/MS and GC/MS Certified Vial Kit: 1.5ml Short Thread SureStop™ Vial, 32 x 11.6mm, clear glass, wide opening, with overwind-barrier; Ultra High Performance Seal: PP Short Thread Cap, blue, centre hole; Silicone darkblue-translucent/PTFE natural, 35° shore A, 1,0mm

LC/MS and GC/MS Certified Vial Kit: 1.5ml Short Thread SureStop™ Vial, 32 x 11.6mm, amber glass, wide opening, with overwind-barrier; Ultra High Performance Seal: PP Short Thread Cap, blue, centre hole; Silicone darkblue-translucent/PTFE natural, 35° shore A, 1,0mm

## Short Thread Vials ND9



7,00  
RSD

**11 09 0519**

1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, 1st hydrolytic class, wide opening, label and filling lines



7,00  
RSD

**11 09 0520**

1.5ml Short Thread Vial, 32 x 11.6mm, amber glass, 1st hydrolytic class, wide opening, label and filling lines



**11 09 2746**

1.5ml Short Thread SureStop™ Vial, 32 x 11.6mm, clear glass, 1st hydrolytic class, wide opening, with overwind-barrier

## Microsampling Vials ND9



**11 09 2357**

Short Thread Vial with integrated Micro-Insert, 32 x 11.6mm, clear glass, 1st hydrolytic class, Base bonded



**11 09 2656**

Short Thread Vial with integrated Micro-Insert, 32 x 11.6mm, amber glass, 1st hydrolytic class, Base bonded



**11 09 0620**

1.1ml Microliter Short Thread Vial ND9, 32 x 11.6mm, clear glass, 1st hydrolytic class

## Plastic Vials ND9



14,00  
RSD

**11 19 1205**

1.5ml PP Short Thread Vial, 32 x 11.6mm, transparent, with filling lines



**11 19 1706**

0.7ml PP Short Thread Micro-Vial, 32 x 11.6mm, transparent



**11 19 0932**

0.7ml PP Short Thread Micro-Vial, 32 x 11.6mm, transparent

## PP Short Thread Seals ND9



**09 15 1819**

9mm Combination Seal: PP Short Thread Cap, transparent, centre hole; Natural Rubber red-orange/TEF transparent, 60° shore A, 1.0mm

**09 15 0838**

UltraClean Closure: 9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE red, 55° shore A, 1.0mm

**09 15 0869**

9mm Combination Seal: PP Short Thread Cap, blue, centre hole; Silicone white/PTFE blue, 55° shore A, 1.0mm, slit

## Crimp Neck Vials ND11



**11 09 0476**

1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1st hydrolytic class, wide opening, label and filling lines



**11 09 0477**

1.5ml Crimp Neck Vial, 32 x 11.6mm, amber glass, 1st hydrolytic class, wide opening, label and filling lines

## Aluminum Crimp Seals ND11



**6.900,00  
RSD  
1000/kom**

**11 03 0209**

11mm Combination Seal: Aluminium Cap, clear lacquered, centre hole; Natural Rubber red-orange/TEF transparent, 60° shore A, 1.0mm

**11 03 1875**

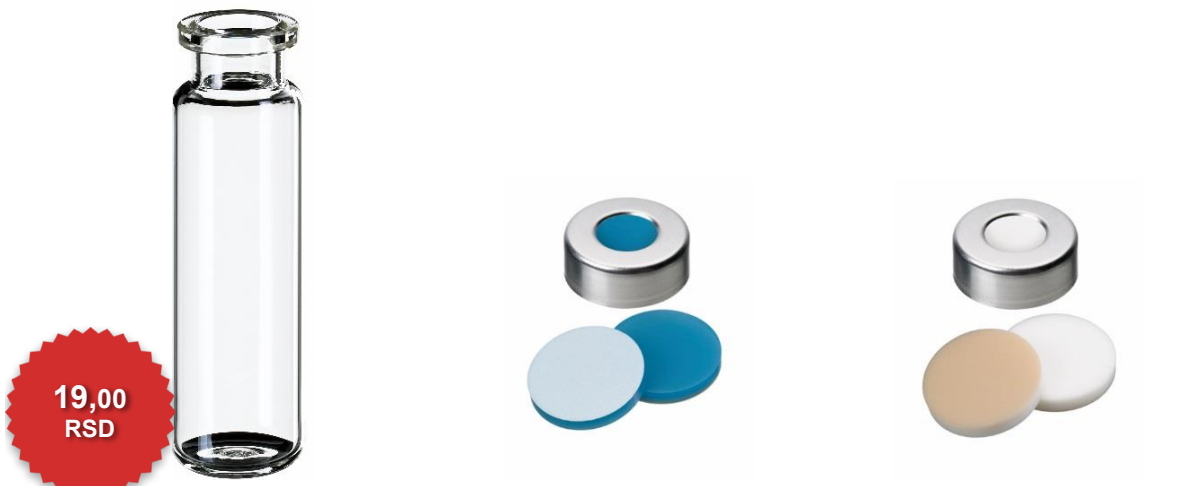
11mm Combination Seal: Aluminium Cap, clear lacquered, with centre hole; Red Rubber / PTFE beige, 45° shore A, 1.0mm

**11 03 0247**

UltraClean Closure: 11mm Aluminium Cap, clear lacquered, centre hole; Silicone white/PTFE red, 45° shore A, 1.3mm



**Crimp Neck Headspace-Vials and Aluminum Crimp Seals ND20**



**19,00 RSD**

**20 09 0873                      20 03 0142                      20 03 0901**

20ml Headspace-Vial, 75.5 x 22.5mm, clear glass, 1st hydrolytic class, DIN Crimp Neck, long neck, rounded bottom

UltraClean Closure: 20mm Aluminium Cap, plain, centre hole; Silicone transparent blue/PTFE white, 45° shore A, 3.0mm

20mm Combination Seal: Aluminium Crimp Cap, plain, centre hole; Silicone white/PTFE beige, 45° shore A, 3.2mm

**Precision Thread Headspace-Vials and Magnetic Screw Seals ND18**



**18 09 1307                      18 03 1309**

20ml Precision Thread Headspace-Vial, 75.5 x 22.5mm, clear glass, 1st hydrolytic class, rounded bottom (for MAGNETIC screw caps)

UltraClean Closure: 18mm Magnetic Universal Screw Cap, silver, centre hole; Silicone transparent blue/PTFE white, 45° shore A, 1.3mm

**(EPA) Screw Neck Vials and PP Screw Seals ND24**



**24 09 0589**

20ml EPA Screw Neck Vial,  
57 x 27.5mm, clear glass,  
1st hydrolytic class



**20 09 0402**

40ml EPA Screw Neck Vial,  
95 x 27.5mm, clear glass,  
1st hydrolytic class



**24 15 1163**

24mm Combination Seal:  
PP Screw Cap, white, centre  
hole; Silicone white/PTFE  
beige, 45° shore A, 3.2mm,  
EPA-Quality

**Crimping and Decapping Tools**



**11 06 0006**

11mm Crimper



**11 07 0002**

11mm Decapper



**20 06 0008**

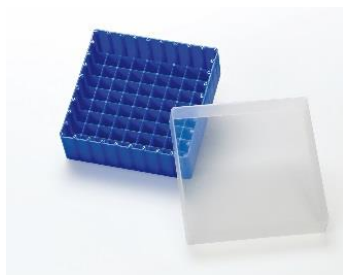
20mm Crimper



**20 07 0004**

20mm Decapper

**PP Storage Box and Vial Rack**



**12 21 2420**

PP Storage Box for 1,5ml vials or 2ml shell  
vials, blue, with cover (130 x 130 x 45mm), 81  
cavities with alphanumeric coding of all 4  
margins as well as the cavities at the bottom



**12 21 2187**

PP Vial-Rack, (200 x 105 x 17mm), for 1.5ml  
vials, 50 cavities, blue, stackable