



VIALKY A PŘÍSLUŠENSTVÍ

- Šroubovací vialky
- Inserty
- Certifikované kity
- Krimpovací vialky
ND11
- Headspace vialky
ND18, ND20
- Krimpovací příslušenství
- EPA vialky
- Skladování
- Stříkačkové filtry
- Stříkačky
- Centrifugační zkumavky

PRAHA / Pragolab s.r.o.
Tel.: +420 284 813 020
E-mail: pragolab@pragolab.cz

Nad Krocínkou 55/285
190 00 Praha 9 – Prosek

BRNO / Pragolab s.r.o.
Tel.: +420 515 908 772
E-mail: brno@pragolab.cz

Jamborova 32/3181
615 00 Brno – Židenice

BRATISLAVA / Pragolab s.r.o.
Tel.: +421 243 294 436
E-mail: bratislava@pragolab.sk

Drieňová 34/1712
821 02 Bratislava

Short Thread Vials ND9

PGL190273 /
PGL190274



1.5 ml Short Thread Vial,
32 × 11,6 mm, clear/amber glass,
1st hydrolytic class, wide opening,
label and filling lines

Pack of 1000 pcs.

PGL190302 /
PGL190303



1.5 ml Short Thread SureStop™
Vial, 32 × 11,6 mm, clear/amber
glass, 1st hydrolytic class, wide
opening, label and filling lines,
with overwind-barrier

Pack of 1000 pcs.

PP Short Thread Seals ND9

PGL190182



9mm, Combination
Seal: PP Short Thread
Cap, blue, with centre
hole; RedRubber/
PTFE beige, 45° shore
A, 1,0mm

Pack of 1000 pcs.

PGL190155



UltraClean Closure:
9mm, PP Short Thread
Cap, blue, centre
hole; Silicone white/
PTFE red, 55° shore A,
1,0mm

Pack of 1000 pcs.

PGL190159



9mm, Combination
Seal: PP Short Thread
Cap, blue, centre
hole; Silicone white/
PTFE blue, 55° shore
A, 1,0mm, slit

Pack of 1000 pcs.

PGL190682



9mm, Combination
Seal, bonded: PP
Short Thread Cap,
blue, centre hole;
Silicone white/PTFE
beige, 45° shore A,
1,0mm

Pack of 1000 pcs.

PGL190185



Ultraclean closure:
9mm PP-Short Thread
Cap, blue, centre hole,
assembled magnetic
cap, gold; silicone whi-
te/PTFE red, 55° shore
A, 1,0mm

Pack of 1000 pcs.

Microsampling Vials ND9

PGL190298 /
PGL190299



Short Thread Vial with
integrated Micro-Insert,
32 × 11,6 mm, clear/amber
glass, 1st hydrolytic class,
Base bonded

Pack of 1000 pcs.

PGL190276



1.1ml Microliter Short Thread
Vial ND9, 32×11,6mm, clear
glass, 1st hydrolytic class

Pack of 1000 pcs.

PGL190295



0.9ml Total Microliter
Short Thread Vial ND9,
32×11,6mm, clear glass,
1st hydroly. class

Pack of 1000 pcs.

PGL190282 /
PGL190287



Short thread vial with inte-
grated 0.2ml micro-insert,
32×11,6mm, clear / amber
glass, 1st hydrolytic class,
label and filling lines

Pack of 1000 pcs.

Plastic Vials ND9

PGL190370



1.5ml PP Short Thread Vial, 32x11.6mm, transparent, with filling lines

Pack of 1000 pcs.

PGL190374



0.7ml PP Short Thread Micro-Vial, 32x11.6mm, transparent

Pack of 1000 pcs.

PGL190366



0.3ml PP Short Thread Micro-Vial, 32x11.6mm, transparent

Pack of 1000 pcs.

PGL190368 TPX



0.3ml TPX short thread micro-vial, 32x11.6mm, crystal clear

Pack of 1000 pcs.

Micro-Inserts for Short Thread Vials ND9 with wide opening

PGL190020



0.1ml Micro-Insert, 31x6mm, clear glass, 1st hydrolytic class, 15mm top

Pack of 1000 pcs.

PGL190022



0.1ml Micro-Insert, 31x6mm, clear glass, 1st hydrolytic class, 12mm top

Pack of 1000 pcs.

PGL190023



0.1ml Micro-Insert, 29x5.7mm, clear glass, with attached Plastic Spring

Pack of 1000 pcs.

PGL190024



0.2ml Micro-Insert, 31x6mm, clear glass, 1st hydrolytic class, flat bottom

Pack of 1000 pcs.

PGL190026



0.1ml PP Micro-Insert, 29x6mm, clear, 10mm top, with filling lines

Pack of 1000 pcs.

PGL190027



0.1ml PP Micro-Insert, 29x6mm, clear, 10mm top, with filling lines and attached Plastic Spring

Pack of 1000 pcs.

PGL190028



0.2ml PP Micro-Insert, 31x6mm, clear, flat bottom

Pack of 1000 pcs.

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

HPLC and GC certified Vial KITS Certifications are getting more and more important, in order to make processes more reproducible and avoid possible sources of errors from the beginning. For La-Pha-Pack highest quality, consistency and quality control have always been very important and have been documented by HPLC and GC certified vials and closures.

- Each batch of HPLC and GC-certified KIT is tested on 15 critical parameters. In a realistic method, an HPLC/UV and GC/MS-test of vials/closure combination of blanks and contaminations will be carried out.
- The batch-specific test certificate with the HPLC and GC-Chromatograms can be handed out upon request.
- The HPLC and GC certified KITS are delivered completely shrinkwrapped for reasons of originality, purity and transport safety. This means an additional safety for the end user.



PGL190386



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

Pack of 100 pcs.

PGL190387



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

Pack of 100 pcs.

PGL190388



LC/MS and GC/MS Certified Vial Kit: 1.5ml Short Thread SureStop™ Vial, 32x11.6mm, 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

Pack of 100 pcs.

PGL190389



LC/MS and GC/MS Certified Vial Kit: 1.5ml Short Thread SureStop™ Vial, 32x11.6mm, 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

Pack of 100 pcs.

PGL190688



2in1 Kit: 1.5ml PP Short Thread Vial, 32x11.6mm, transparent, with filling lines; 9mm Combination Seal: PP Short Thread Cap, blue, centre hole; Silicone white/PTFE blue, 55° shore A, 1.0mm, slit (compatible with AS-AP autosampler)

Pack of 100 pcs.

Crimp Neck Vials ND11

**PGL190269 /
PGL190270**



1.5ml Crimp Neck Vial,
32×11.6mm, clear / amber
glass, 1st hydrolytic class,
wide opening, label and
filling lines
Pack of 1000 pcs.

**PGL190281 /
PGL190286**



Crimp Neck Vial with inte-
grated 0.2ml micro-insert,
32×11.6mm, clear / amber
glass, 1st hydrolytic class,
label and filling lines
Pack of 1000 pcs.

PGL190275



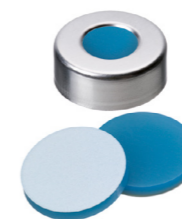
1.1ml Microliter Crimp Neck
Vial nd11, 32×11.6mm, clear
glass, 1st hydrolytic class
Pack of 1000 pcs.

PGL190496



UltraClean Closure: 18mm
Magnetic Universal Screw
Cap, silver, centre hole;
Silicone transparent blue/
PTFE white, 45° shore A,
1.3mm
Pack of 1000 pcs.

PGL190542



UltraClean Closure: 20mm
Aluminium Cap, plain, centre
hole; Silicone transparent
blue/PTFE white, 45° shore
A, 3.0mm
Pack of 1000 pcs.

PGL190559



20mm Combination Seal:
Aluminium Crimp Cap, plain,
centre hole; Silicone white/
PTFE beige, 45° shore A,
3.2mm
Pack of 1000 pcs.

PGL190566



UltraClean Closure: 20mm
Magnetic Bimetal Cap, red
lacquered, 8mm centre hole;
Silicone transparent blue/
PTFE transparent, 45° shore
A, 3.0mm
Pack of 1000 pcs.

Aluminum Crimp Seals ND11

PGL190227



11mm Combination Seal:
Aluminium Cap, clear
lacquered, centre hole;
Natural Rubber red-orange/
TEF transparent, 60° shore
A, 1.0mm/100 per bag
Pack of 1000 pcs.

PGL190246



11mm Combination Seal:
Aluminium Cap, clear lac-
quered, with centre hole;
Red Rubber/PTFE beige, 45°
shore A, 1.0mm
Pack of 1000 pcs.

PGL190228



UltraClean Closure: 11mm
Aluminium Cap, clear lac-
quered, centre hole; Silicone
white/PTFE red, 45° shore
A, 1.3mm
Pack of 1000 pcs.

PGL190234



Ultraclean Closure: 11mm
Magnetic Cap, gold lacque-
red, centre hole; Silicone
white/PTFE red, 45° shore A,
1.3mm
Pack of 1000 pcs.

Crimping and Decapping Tools



PGL190253
11mm Crimper
Pack of 1 pc.



PGL190213
11mm Electronic Crimper,
110—240V
Pack of 1 pc.



PGL190257
11mm Decapper
Pack of 1 pc.



PGL190214
11mm Electronic Decapper,
110—240V
Pack of 1 pc.

PGL190572
20mm Crimper
Pack of 1 pc.

PGL190525
20mm Electronic Crimper,
110—240V
Pack of 1 pc.

PGL190259
20mm Decapper
Pack of 1 pc.

PGL190527
20mm Electronic Decapper,
110—240V
Pack of 1 pc.

Headspace-Vials and Seals ND18, ND20

**PGL190593 /
PGL190597**



20ml Headspace-Vial,
75.5×22.5mm, clear / amber
glass, 1st hydrolytic class,
DIN Crimp Neck, long neck,
rounded bottom
Pack of 1000 pcs.

**PGL190513 /
PGL190515**



20ml Precision Thread
Headspace-Vial,
75.5×22.5mm, clear glass /
amber, 1st hydrolytic class,
rounded bottom (for MAG-
NETIC screw caps)
Pack of 1000 pcs.

**PGL190596 /
PGL190598**



10ml headspace-vial,
46×22.5mm, clear / amber
glass, 1st hydrolytic class,
din-crimp neck, rounded
bottom
Pack of 1000 pcs.

**PGL190512 /
PGL190514**



10ml precision thread head-
space-vial, 46×22.5mm,
clear / amber glass, 1st
hydrolytic class, rounded
bottom (for magnetic
screw CAPS)
Pack of 1000 pcs.

(EPA) Screw Neck Vials ND24

**PGL190628 /
PGL190631**



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

Pack of 1000 pcs.

**PGL190627 /
PGL190632**



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

Pack of 1000 pcs.

PP Screw Seals ND24

PGL190643



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

Pack of 1000 pcs.

PGL190645



24mm Combination Seal:
PP Screw Cap, white, closed
top; Butyl red/PTFE grey,
55° shore A, 2.5mm

Pack of 1000 pcs.

PGL190644



24mm Combination Seal:
PP Screw Cap, white, centre
hole; Butyl red/PTFE grey,
55° shore A, 2.5mm

Pack of 1000 pcs.

PGL190646



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

Pack of 1000 pcs.

Septa 22mm

PGL190612



22mm Septa, Butyl red/
PTFE grey, 55° shore A,
2.5mm

Pack of 1000 pcs.

PGL190609



22mm Septa, Silicone white/
PTFE blue, 55° shore A,
1.5mm, cross-slitted

Pack of 1000 pcs.

PGL190610



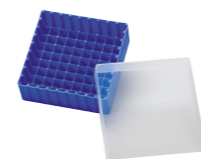
22mm Septa, Silicone
white/ Aluminium foil silver,
50° shore A, 3.0mm

Pack of 1000 pcs.

PP Storage Boxes for 1,5ml Sample Vials

PP Storage Box for 1,5ml (1,8ml, 2ml) vials or 2ml shell vials,
with cover (130×130×45mm), 81 cavities with alphanumeric
coding of all 4 margins as well as the cavities at the bottom

PGL190401



Blue

PGL190402



Orange

PGL190403



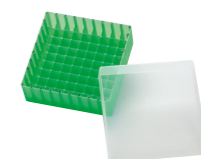
Pink

PGL190404



Yellow

PGL190405



Green

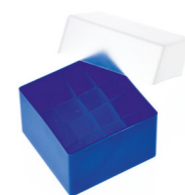
PGL190406



Transparent

PP Storage Boxes

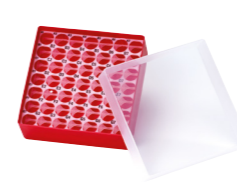
PGL190409



PP Storage Box for 1,5ml
vials or 2ml shell vials,
with cover 67×67mm,
16 cavities

**Minimum order quantity:
5 pieces per colour**

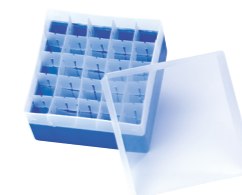
PGL190471



PP Storage Box for 4ml
vials or 4ml shell vials, red,
with cover 130×130×52mm,
49 cavities with alphanu-
meric coding at the cavities

1 pc. per PE-Bag

PGL190648

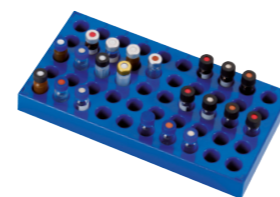


PP Storage Box for 5ml,
10ml and 20ml Headspace-
Vials, blue, with cover
130×130×102mm,
25 cavities

1 pc. per PE-Bag

Vial Racks

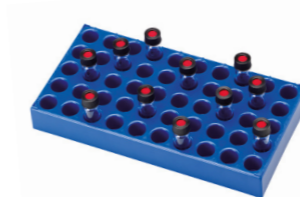
PGL190400



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

Pack of 1000 pcs.

PGL190472



PP Vial-Rack,
230×117×28mm, for 4ml
vials, 50 cavities, blue,
stackable

Pack of 1000 pcs.

ProFill 25mm HPLC Syringe Filters

PGL190649



ProFill 25mm HPLC Syringe Filter, green, PTFE, pore size 0.2µm

Pack of 100 pcs.

PGL190650



ProFill, 25mm HPLC Syringe Filter, natural, PTFE, pore size 0.45µm

Pack of 100 pcs.

PGL190651



ProFill, 25mm HPLC Syringe Filter, blue, Regenerated Cellulose (RC), pore size 0.2µm

Pack of 100 pcs.

PGL190652



ProFill, 25mm HPLC Syringe Filter, yellow, Regenerated Cellulose (RC), pore size 0.45µm

Pack of 100 pcs.

PGL190490



17mm HPLC Syringe Filter, Nylon (PA), pore size 0.2µm, injection moulded ring purple + print of the membrane type

Pack of 100 pcs.

PGL190491



17mm HPLC Syringe Filter, Nylon (PA), pore size 0.45µm, injection moulded ring green + print of the membrane type

Pack of 100 pcs.

PGL190492



17mm HPLC Syringe Filter, Glass Fibre Prefilter/PVDF, pore size 0.2µm, injection moulded ring black + print of the membrane type

Pack of 100 pcs.

PGL190493



17mm HPLC Syringe Filter, Glass Fibre Prefilter/PVDF, pore size 0.45µm, injection moulded ring red + print of the membrane type

Pack of 100 pcs.

PGL190653



ProFill, 25mm HPLC Syringe Filter, bright blue, Nylon (PA), pore size 0.2µm

Pack of 100 pcs.

PGL190654



ProFill, 25mm HPLC Syringe Filter, bright green, Nylon (PA), pore size 0.45µm

Pack of 100 pcs.

30mm HPLC Syringe Filters

PGL190663



30mm HPLC Syringe Filter, Glass Fibre Prefilter/PTFE, pore size 0.2µm, injection moulded ring blue + print of the membrane type

Pack of 100 pcs.

PGL190664



30mm HPLC Syringe Filter, Glass Fibre Prefilter/PTFE, pore size 0.45µm, injection moulded ring yellow + print of the membrane type

Pack of 100 pcs.

PGL190665



30mm HPLC Syringe Filter, Glass Fibre Prefilter/Regenerated Cellulose (RC), pore size 0.2µm, injection moulded ring granite + print of the membrane type

Pack of 100 pcs.

PGL190666



30mm HPLC Syringe Filter, Regenerated Cellulose (RC), pore size 0.45µm, injection moulded ring brown + print of the membrane type

Pack of 100 pcs.

PGL190667



30mm HPLC Syringe Filter, Glass Fibre Prefilter/Nylon (PA), pore size 0.2µm, injection moulded ring purple + print of the membrane type

Pack of 100 pcs.

17mm HPLC Syringe Filters

PGL190486



17mm HPLC Syringe Filter, PTFE, pore size 0.2µm, injection moulded ring blue + print of the membrane type

Pack of 100 pcs.

PGL190487



17mm HPLC Syringe Filter, PTFE, pore size 0.45µm, injection moulded ring yellow + print of the membrane type

Pack of 100 pcs.

PGL190488



17mm HPLC Syringe Filter, Regenerated Cellulose (RC), pore size 0.2µm, injection moulded ring granite + print of the membrane type

Pack of 100 pcs.

PGL190489



17mm HPLC Syringe Filter, Regenerated Cellulose (RC), pore size 0.45µm, injection moulded ring brown + print of the membrane type

Pack of 100 pcs.

PGL190668



30mm HPLC Syringe Filter, Glass Fibre Prefilter/Nylon (PA), pore size 0.45µm, injection moulded ring green + print of the membrane type

Pack of 100 pcs.

PGL190669



30mm HPLC Syringe Filter, Glass Fibre Prefilter/PVDF, pore size 0.2µm, injection moulded ring black + print of the membrane type

Pack of 100 pcs.

PGL190670



30mm HPLC Syringe Filter, PVDF, pore size 0.45µm, injection moulded ring red + print of the membrane type

Pack of 100 pcs.

PGL190671



30mm HPLC Syringe Filter, Glass Microfibre, pore size 1.2µm, injection moulded ring orange + print of the membrane type

Pack of 100 pcs.

Plastic Disposable Syringes with Luer Lock

PGL190009



2ml Luer-Lock Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

PGL190018



5ml Luer-Lock Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

PGL190211



10ml Luer-Lock Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

PGL190607



20ml Luer-Lock Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

Plastic Disposable Syringes with Luer Slip

PGL190010



2ml Luer-Slip Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

PGL190019



5ml Luer-Slip Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

PGL190212



10ml Luer-Slip Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

PGL190608



20ml Luer-Slip Plastic Disposable Syringe, non sterile

Pack of 100 pcs.

Centrifuge tubes

08 19 3967 11 19 3968 11 19 3969



Micro Centrifuge Tubes with Lid
0,5ml; 1,5ml; 2,0ml
• chromatography certified
• safe click close function
• transparent PP
• number scale
• writing patch

Pack of 100 pcs.

18 19 3965 18 19 3965



Centrifuge Tube with blue Screw Cap
15ml; 50ml
• transparent PP
• chromatography certified,
• scale, writing patch
• -20 °C — 121 °C
• 8400 RCF stable

Pack of 100 pcs.

Design of the Neck



Headspace Neck (bevelled Neck)



DIN Crimp Neck (flat Crimp Neck)



Special Neck for SPME Vial (frickes Crimp Neck)



Snap Ring Neck (can be used with Snap Ring Caps ND11 or Crimp Caps ND11)



Fire Polished Neck (Shell Vials)



Standard Screw Neck (Threads run down to the shoulder of the vial)



Short Thread ND9 (Thread ends in the middle of the neck, so that there is still same space between the edge of the cap and shoulder of the vial for robotic arms)



Short Thread ND9 (Vials with sure Screw Stop-function)



Precision Thread ND18 for Headspace and SPME



Snap Cap Neck (Sample storage containers, no autosampler vials)

Design of the Bottom



Flat bottom



Rounded bottom (HS-bottom)



Round bottom



Conical bottom



Solid glass bottom of a Microliter vial with inner cone



Conical bottom (maximum recovery)

The individual conditions of the customer's application aim at the specific characteristics of the carrier material, e.g.:

Multiple injection?

↓
good resealability properties necessary

↓
Natural Rubber / TEF

Temperature?

↓
-40 °C up to -120 °C -40 °C up to 110 °C -60 °C up to 200 °C

↓ ↓ ↓

Natural Rubber / TEF; Butyl / PTFE Red Rubber / PTFE Silicone / PTFE

Thin, fragile needle?

↓
soft and thin septa required

↓
e.g. Silicone / PTFE

Blunt, thick needle?

↓
Slitted/pre-cut liner as penetration aid (HPLC)

↓
e.g. PGL190159 (page 3)

Critical analysis?

↓
very clean liner required

↓
UltraClean Silicone / PTFE septa

Low coring?

↓
Both sided PTFE laminated liners required

↓
PTFE / Silicone / PTFE
PTFE / Butyl / PTFE

Correct crimp?

Correct Crimp

Flat cap surface
Flat septa surface



Tight fitting of the Aluminum edge

Plain + undeformed cap sides



Untight Aluminum edge
Adjust crimping pressure with the screw in the handle + Adjust crimping height with the hexogen key (s. below)

(undercrimped)



Upward bulge of the crimp cap
Adjust crimping pressure with the screw in the handle + Adjust crimping height with the hexogen key (s. below)

(overcrimped)



Deformation of the crimp cap sides
Adjust crimping height with the hexogen key (s. below)

(overcrimped)



Convex looking liner
Adjust crimping pressure with the screw in the handle

(overcrimped)



Rounded edges/Upward bulge of the Cap/Liner
Especially with Headspace Caps it is important not to overcrimp them. If the Aluminum is stretched too much under the crimp neck, the bridges of the scorelines suffer too much stress and can break open at even low pressure (below 3 bars) or - in worst case - can even tear apart beside the scorelines (overcrimped)

Nenašli jste, co hledáte?

Neváhejte nás kontaktovat na pragolab@pragolab.cz

