




















Screw neck vials, inserts and caps N 9

N 9

Screw neck vials and inserts N 9

| Wide opening, short thread | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Polypropylene | | | | | Polypropylene | | | | |
|  |  |  |  |  |  |  |  |  |  |
| 702282 | 702293 | 702283 | 702284 | 702500 | 702813 | 702716 | 702818 | 702819 | 702825 |
| | | silanized 702078 | silanized 702079 | | silanized 702077 | | silanized 702818.1 | | |
| 1.5 mL | 1.5 mL | 1.5 mL | 1.5 mL | 1.5 mL | 0.2 mL | 0.25 mL | 0.1 mL | 0.1 mL | 0.3 mL |
| 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 6 x 31 mm | 6 x 31 mm | 5.7 x 29 mm | 5.7 x 29 mm | 6 x 31 mm |
| clear | amber | clear, label + scale | amber, label + scale | transparent, filling lines | clear | clear | clear | transparent | clear |
| flat bottom | flat bottom | flat bottom | flat bottom | flat bottom | conical, 15 mm tip | conical, 12 mm tip | with plastic spring | with integrated spring | flat bottom |
| 100/PP box | 100/PP box | 100/PP box | 100/PP box | 100/PE bag | 100/PE bag | 100/PE bag | 100/PE bag | 100/PE bag | 100/PE bag |

| Micro-vials N 9 for small sample volumes | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | PP/Glass insert | PP/Glass insert | | Polypropylene | Polypropylene | Polypropylene |
|  |  |  |  |  |  |  |  |  |
| 702006 | 702007 | 702008 | 702135* | 702335* | 702088 | 702009 | 702172 | 702010 |
| 1.1 mL | 0.2 mL | 0.2 mL | 0.2 mL | 0.2 mL | 1.1 mL | 0.3 mL | 0.3 mL | 0.7 mL |
| 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm | 11.6 x 32 mm |
| clear | clear | amber | clear | amber | clear | transparent | amber | transparent |
| flat bottom, 15 µL funnel in solid glass bottom | flat bottom, with integrated 0.2 mL insert | flat bottom, with integrated 0.2 mL insert | flat bottom, with integrated 0.2 mL glass insert | flat bottom, with integrated 0.2 mL glass insert | conical with round pedestal glass plate | with inner cone | with inner cone | with round bottom insert |
| 100/PP box | 100/PP box | 100/PP box | 100/PP box | 100/PP box | 100/PP box | 100/PE bag | 100/PE bag | 100/PE bag |

* upon request also available with an integrated silanized insert

Pre-assembled vial-insert combinations with screw neck N 9

| Vial description | Insert description | Pack of | REF |
|---|---|------------|--------|
| Vial 702282: 1.5 mL, clear, flat bottom | with pre-assembled micro-insert 702813: 0.2 mL, conical, 15 mm tip | 100/PP box | 702177 |
| Vial 702283: 1.5 mL, clear, flat bottom, label + scale | with pre-assembled micro-insert 702813: 0.2 mL, conical, 15 mm tip | 100/PP box | 702178 |
| Vial 702284: 1.5 mL, amber, flat bottom, label + scale | with pre-assembled micro-insert 702813: 0.2 mL, conical, 15 mm tip | 100/PP box | 702179 |

Further pre-assembled vial-insert combinations on request

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Container for screw neck vials N 9













| REF | Description | Pack of |
|--------|---|---------|
| 702514 | 81 position container blue for screw neck vials N 9, 130 x 130 x 45 mm, coded, with transparent lid (suitable for freezers) | 1 |

Vial rack for screw neck vials N 9





| REF | Description | Pack of |
|--------|--|---------|
| 702502 | 50 position polypropylene vial rack blue for all vials 11.6 x 32 mm with flat bottom Dimensions: 190 x 100 x 22 mm, stackable | 1 |







Ready assembled screw closures, plain screw caps and single septa N 9

| Cap description (Scale 1:1.6) | Septum description | Hardness | Thickness | Pack of |
|--|---|-------------|-----------|------------|
| N 9 PP screw cap, color as indicated, center hole   702029 702031 | closed top PTFE virginal, white  702032 | 53° shore D | 0.25 mm | 100/PE bag |
| N 9 PP screw cap, blue, center hole  702402 | Silicone white / Polyimide orange (fluorine-free, for PFAS analysis)  | 50° shore A | 1.0 mm | 100/PE bag |
| N 9 PP screw cap, color as indicated, center hole        702030 702732 702080 702081 702082 702147 702033 | closed top Red Rubber / FEP colorless  | 45° shore A | 1.0 mm | 100/PE bag |
| N 9 PP screw cap, color as indicated, center hole        702287 702287.1 702036 702037 702038 702107 702034 | Silicone white / PTFE red  | 45° shore A | 1.0 mm | 100/PE bag |
| N 9 PP screw cap, color as indicated, center hole       702288 702288.1 702039 702040 702083 702109 | Silicone white / PTFE blue, slit  | 55° shore A | 1.0 mm | 100/PE bag |
| N 9 PP screw cap, color as indicated, center hole       702286 702035 702158 702084 702085 702159 | PTFE red / Silicone white / PTFE red  | 50° shore A | 1.0 mm | 100/PE bag |
| N 9 PP screw cap, color as indicated, center hole (no liner)       702160 702161 702162 702163 702164 702165 | – | – | – | 100/PE bag |




Ready assembled magnetic screw closures N 9

| REF | (Scale 1:1.6) | Cap description | Septum description | Hardness | Thickness | Pack of |
|--------|---|---|----------------------------------|-------------|-----------|------------|
| 702155 |   | N 9 magnetic screw cap, silver, center hole | Silicone white / PTFE red | 45° shore A | 1.0 mm | 100/PE bag |
| 702156 |   | N 9 magnetic screw cap, silver, center hole | Silicone white / PTFE blue, slit | 55° shore A | 1.0 mm | 100/PE bag |

N 9 septa for screw caps N 9

| REF | (Scale 1:1.6) | Cap description | Septum description | Hardness | Thickness | Pack of |
|--------|---|-----------------|----------------------------------|-------------|-----------|------------|
| 702043 |  | - (septum only) | PTFE virginial, white | 53° shore D | 0.25 mm | 100/PE bag |
| 702041 |  | - (septum only) | Red Rubber / FEP colorless | 45° shore A | 1.0 mm | 100/PE bag |
| 702042 |  | - (septum only) | Silicone white / PTFE red | 45° shore A | 1.0 mm | 100/PE bag |
| 702148 |  | - (septum only) | Silicone white / PTFE blue, slit | 55° shore A | 1.0 mm | 100/PE bag |

Bonded screw closures N 9

| REF | (Scale 1:1.6) | Cap description | Septum description | Hardness | Thickness | Pack of |
|--------|---|--|-----------------------------------|-------------|-----------|------------|
| 702028 |  | N 9 PP bonded screw cap, blue, center hole | Red Rubber / TEF colorless | 65° shore A | 1.0 mm | 100/PE bag |
| 702026 |  | N 9 PP bonded screw cap, blue, center hole | Silicone beige / PTFE white | 45° shore A | 1.3 mm | 100/PE bag |
| 702027 |  | N 9 PP bonded screw cap, blue, center hole | Silicone beige / PTFE white, slit | 45° shore A | 1.3 mm | 100/PE bag |

(Septum firmly connected with the cap; cannot be removed)



Vials and caps for PFAS analysis

Per- and polyfluoroalkyl substances (PFAS) are used for many daily applications, e.g. food packaging and textile coating, because of their non-sticky properties. However, most PFAS are dangerous substances that need to be monitored globally. Due to their increasing appearance in the environment, new product solutions for their analysis are of great demand.

When you are doing PFAS analysis, it is crucial to select the right vials and closures for this application. Adsorption effects of glass as well as possible contaminations of the sample by particles from the septa, especially from the PTFE lamination, may put your analysis results at risk.

Polypropylene vials are best suited for PFAS analysis, since the adsorption effects are the lowest and the signal strength of the analytes is therefore the highest. Fluorine-free septa, i. e. septa with a polyimide coating rather than a PTFE coating, are recommended to eliminate any migration of fluorine into the sample.

