

Straight caps for freeze-drying vials



| Cat. No. | Mouth* (mm) | Composition | Units/bag | €/bag |
|----------|-------------|--|-----------|-------|
| 048477 | 7 x 13 | Chlorobutyl isoprene blend PT-faced/40 | 100 | NC - |
| 048479 | 13 x 20 | Chlorobutyl/45 | 100 | NC - |
| 048480 | 13 x 20 | Chlorobutyl isoprene blend PT-faced/40 | 100 | NC - |

* For inner \varnothing x outer \varnothing mouth.

Snap-on caps



- For freeze-drying bottles
- Not recommended for bottles with straight internal necks
- The cap fits into the inner groove of the bottle neck ensuring a good seal

| Cat. No. | Mouth* (mm) | Composition | Units/bag | €/bag |
|----------|-------------|--------------------|-----------|-------|
| 048481 | 7 x 13 | Red natural rubber | 100 | NC - |
| 048482 | 7 x 13 | Chlorobutyl/45 | 100 | NC - |
| 048483 | 13 x 20 | Chlorobutyl/45 | 100 | NC - |

* For inner \varnothing x outer \varnothing mouth.

Freeze-drying caps



Split cap for vacuum or inert gas storage. The stopper should be partially inserted into the bottle during freeze-drying, and fully inserted at the end of the process.

| Cat. No. | Mouth* (mm) | Composition | Units/bag | €/bag |
|----------|-------------|----------------------------|-----------|-------|
| 048485 | 7 x 13 | Chlorobutyl/50, 2-Leg | 100 | NC - |
| 048921 | 13 x 20 | Chlorobutyl/50, 2-Leg | 1000 | NC - |
| 048487 | 13 x 20 | Chlorobutyl/50, 3-Leg | 100 | NC - |
| 048660 | 20** | Grey Chlorobutyl/55, 3-Leg | 300 | NC - |

* For inner \varnothing x outer \varnothing mouth. ** stopper size

Premium quality bromobutyl stoppers



igloo style

2-Leg style

- High chemical quality and high purity
- Autoclavable
- Stoppers with straight legs and freeze-drying stoppers, 2-leg, 3-leg and igloo style
- Complies with European, US and Japanese pharmacopoeia standards
- Straight plugs: hardness 47 Shore A, low extractability, stable after exposure to gamma rays
- Freeze-drying plugs: 46 Shore A hardness, low moisture absorption

| Cat. No. | Inn. x out. \varnothing (mm) | Type | Material | Units/Tray | Units/box | €/box |
|----------|--------------------------------|----------|--------------------|------------|-----------|-------|
| 050310 | 7 x 13 | Straight | Grey Bromobutyl/47 | 100 | 1000 | NC - |
| 050312 | 7 x 13 | Igloo | Grey Bromobutyl/46 | 100 | 1000 | NC - |
| 050313 | 13 x 20 | Straight | Grey Bromobutyl/47 | 100 | 1000 | NC - |
| 050314 | 13 x 20 | 2-Leg | Grey Bromobutyl/46 | 100 | 1000 | NC - |
| 050315 | 13 x 20 | 3-Leg | Grey Bromobutyl/46 | 100 | 1000 | NC - |
| 050316 | 13 x 20 | Igloo | Grey Bromobutyl/46 | 100 | 1000 | NC - |