Innovative Closure Technology
Unmatched performance
Understanding what drives your laboratory helps Thermo Scientific deliver products that exceed your expectations. From sample collection to data reporting, more is demanded of you and more is expected of us. One of the most critical areas of your laboratory is the sample handling component of your analyses. Sample vials and their closures need to be more than sample receptacles, they need to improve your productivity and lead the way to improved analytical efficiencies.

The Thermo Scientific National Target DP 9 mm screw thread closure (C5000 series) is our most recent product innovation and is designed to enhance your work flow by improving how samples are handled. Featuring Advanced Vial Closure System (AVCS) technology, the C5000 series closure will instantly enhance your laboratory’s performance. From improved autosampler compatibility, to elimination of septum “push-through” that threatens to destroy sample integrity, to increased flexibility and handling with vial/septa combinations, the 9 mm closure will drive your laboratory to even greater performance levels.

At the core of the National Target DP 9 mm C5000 series of closures is the Advanced Vial Closure System technology. Simply stated, AVCS allows your closure to perform like never before. The C5000 series closures are fully compatible with all of the C4000 series Target DP 9 mm vials.

Features:
- Septa push through nearly eliminated due to improved interior geometry
- Increased sealing capability
- AVCS provides the freedom to select the best septum for your instrument and applications
- Cost efficient alternative to current choices for resolving push through (bonded septa)
- Optimized ergonomics, fine texturing and evenly spaced ribbing for superior handling, even with poorly fitting gloves
- Rough edges have been eliminated making it easier and more comfortable to use while improving autosampler operation
Performance, flexibility, innovation
unmatched sample handling solutions

National C5000 Series Target DP 9 mm Wide Opening 9 mm Closure
A wide opening vial deserves a wide opening cap closure. Utilizing AVCS technology, the National Target DP 9 mm C5000 series wide opening closure increases the available injection area by over 7%, providing greater area for injection needle penetration.

Previously available solutions for resolving septa push through sent most laboratories to a more expensive yet less flexible choice of closure. The C5000 series delivers the flexibility to choose the septum best suited for the analysis.

Long gone are the caps that were rough to the touch, potentially wearing out gloves and hanging up in autosampler mechanisms. The C5000 series is the most ergonomic closure we’ve ever made.

National C5000 Series Target DP 9 mm Integral Membrane Closure
The integral membrane closure is often times seen as more economical approach to vial closures when analyses are a little less demanding, but that doesn’t mean there isn’t a need for innovation. With the AVCS technology design aspects of the open top cap built-in, the integral membrane closure also provides a halogen and rubber-free sample handling environment for HPLC applications or applications where silicones and rubber septa are not suitable. This cap benefits from the improved septa sealing and ergonomic improvements while still delivering a value option closure system. Strict control of the membrane qualities makes this the first membrane closure with broad chemical compatibility, low background extractables, compatibility with most HPLC autosamplers, and excellent piercing characteristics.

National C5000 Series Target DP 9 mm Solid Closure
The C5000 series solid top closure also benefits from the AVCS technology by providing maximum protection of samples during long term storage. The protective top provides additional support and prevents accidental puncture of the septum and resulting sample loss. Ergonomic innovations were key to this product; ensuring comfort and ease of use were not overlooked. We also understand that samples may be stored at very cold temperatures and have tested our solid caps down to -80°C.
<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target DP Blue 9 mm Screw thread Cap with Natural PTFE/Blue Soft Silicone Septum</td>
<td>100/PK</td>
<td>C5000-44B</td>
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<tr>
<td>Target DP Blue 9 mm Screw thread Cap with Natural PTFE/Blue Soft Silicone Septum, Pre-slit</td>
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<td>C5000-45B</td>
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<tr>
<td>Target DP Blue 9 mm Screw Thread Cap with Ivory PTFE/Red Rubber Septum</td>
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<td>C5000-51B</td>
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<td>C5000-53B</td>
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<td>Target DP Blue 9 mm Screw Thread Cap with Red PTFE/White Silicone Septum</td>
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<td>Target DP Clear 9 mm Screw Thread Cap with Integral Polypropylene Membrane</td>
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<td>C5000-50</td>
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<td>Target DP Blue 9 mm Screw Thread Cap with Integral Polypropylene Membrane</td>
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*Soft durometer septa are a effective remedy for piercing problems caused by fragile needles or for any application where penetration of a standard septum is an issue.

How to order:

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