ZIMMER BIOMET

Your progress. Our promise.®

Cervical Solutions

Puros®-S and Puros®-S2

Cervical Interbody Allograft Implants

The solution of choice for cervical interbody implants.

Compatibility

Zimmer Biomet Spine's Puros cervical allografts give surgeons the power to choose. Sterile-packed Puros-S and Puros-S2 allow surgeons to select from either one-piece cortical grafts or reinforced cortical and cancellous combination grafts. The Puros family delivers the shapes, sizes and angles to fit varying patient anatomies, as well as best-in-class features designed to facilitate insertion, minimize migration and resist pullout. All Puros products work with versatile instrumentation that simplifies implantation and improves ease of use.

A PROVEN ALLOGRAFT SOLUTION

Strength

- Puros-S features the strength of all-cortical bone, while Puros-S2 features cortical bone with an osteoconductive cancellous center
- Both Puros-S and Puros-S2 meet stringent quality standards that meet all U.S. Food and Drug Administration donor screening and testing requirements

Adaptability

- With three footprints, two geometric options and five heights, Puros-S and Puros-S2 are designed for varying patient anatomies
- Between Puros-S and Puros-S2, surgeons can choose between a cortical or cortical-cancellous implant to best suit patient needs and surgeon preference

Validation

- Puros constructs are sterilized using RTI Surgical's proprietary BioCleanse® Tissue Sterilization Process*
- Sterilization process has been proven to inactivate or remove pathogens while preserving the biomechanical integrity of the graft
- Puros implants must pass stringent donor screening

*BioCleanse is a U.S. registered trademark owned by RTI Surgical, Inc.

EXPERIENCE THE BENEFITS OF PUROS-S AND PUROS-S2

Options to Fit Your Preferences

In addition to both cortical and cortical-cancellous offerings, all Puros allografts feature a comprehensive assortment of precisely machined heights and angles to accommodate your preferences and varying patient anatomies.

Validated Tissue Sterilization Process

Puros constructs are sterilized using RTI's proprietary BioCleanse Process. This fully automated, pharmaceutical-grade process has been proven to inactivate or remove pathogens such as bacteria, fungi, viruses and spores while preserving the biomechanical integrity of the graft. In addition, all Puros allografts are subject to stringent donor screening, and terminal irradiation that reaches a 10^{-6} sterility assurance level.

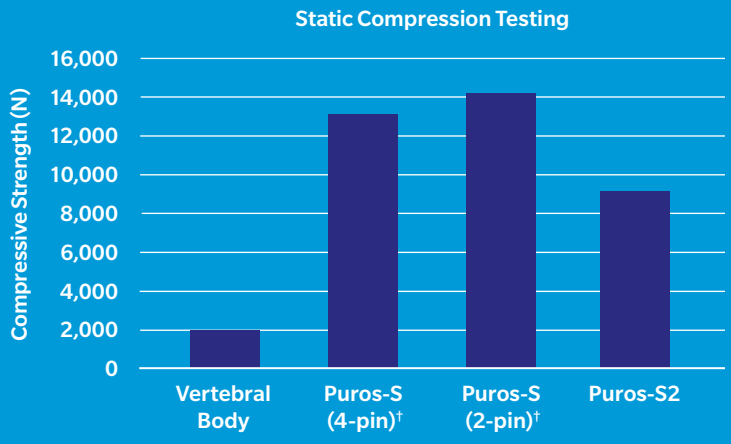
Puros-S

Puros-S2

DESCRIPTION	LENGTH × WIDTH	LORDOSIS	HEIGHT
Puros-S	11 mm × 11 mm 11 mm × 14 mm 14 mm × 14 mm	0° | 7°	5 mm | 6 mm | 7 mm 8 mm | 9 mm | 10 mm
Puros-S2	11 mm × 11 mm 11 mm × 14 mm 14 mm × 14 mm	0° | 7°	5 mm | 6 mm | 7 mm 8 mm | 9 mm | 10 mm

Compression Test Results

Samples were tested to ensure that both Puros-S and Puros-S2 assembled constructs could withstand compressive loads applied in the cervical spine. The design goal was to withstand a load equivalent to or greater than the ultimate compressive strength of a cervical vertebral body (2,000 N).[1] Test results of each construct far exceeded the compressive strength of 2,000 N, as shown in the graph at right.[2-3]



†Puros-S constructs reached maximum loads of test machinery without failure.

References:

1. White AA, Panjabi MM. *Clinical Biomechanics of the Spine*. 2nd ed. Philadelphia: Lippincott, Williams and Wilkins. 1990.
2. RTI Surgical, Mechanical Testing Report #4912 rev. 0
3. RTI Surgical, Design Verification Summary Report #5531 rev. 0

ZIMMER BIOMET
Your progress. Our promise.®

800.447.3625/zimmerbiomet.com

1068.2-US-en-REV0318