



Cobalt[™] MV Bone Cement

Cobalt™ MV Bone Cement

Featuring Patented SoftPac™ Technology

Cobalt™ MV Bone Cement offers surgeons the choice of a medium viscosity cementing solution that provides premium product benefits such as patented SoftPac™ technology, high contrast color and a lower viscosity for longer working time.* The use of patented SoftPac™ technology creates a safer operating environment by eliminating the use of glass ampoules¹ while the high contrast of blue pre-colored cement provides optimal visualization against bone and soft tissue.



* When compared to Cobalt™ HV bone cements.



SoftPac™ Technology

Patented SoftPac™ technology provides a safe, economical alternative for the O.R. staff when compared to glass ampoules by eliminating the risk of glass fragments in bone cement.

- No glass fragments, resulting in fragment-free bone cement
- Patented SoftPac™ technology is the safer alternative for O.R. staff
- Economical disposal



High Optical Contrast

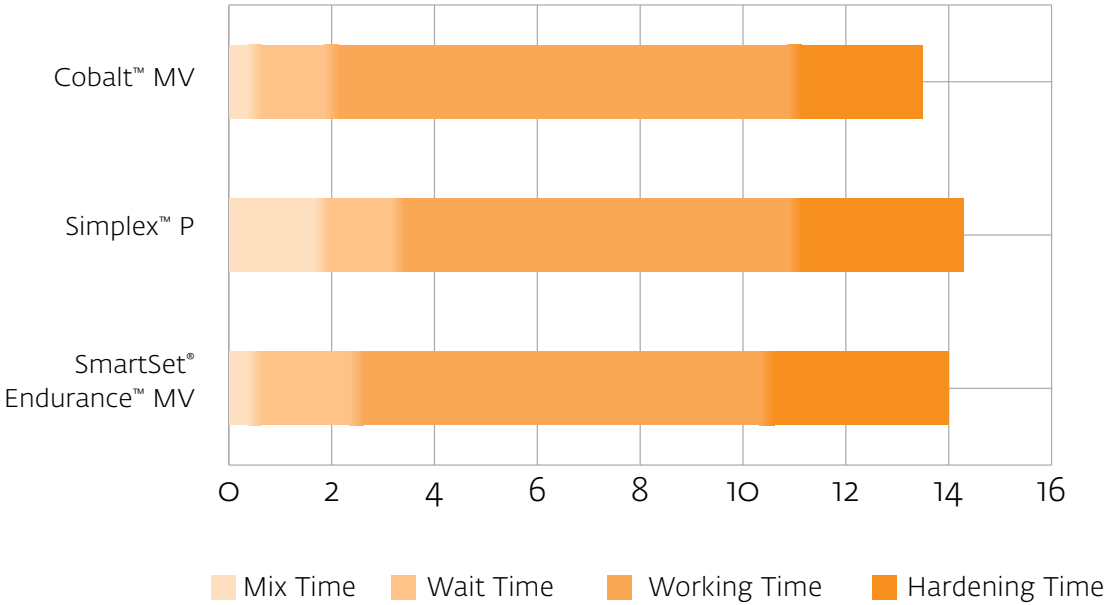
Optimal visualization for:

- Contrast against bone and soft tissue during open and minimally invasive procedures
- Cement removal

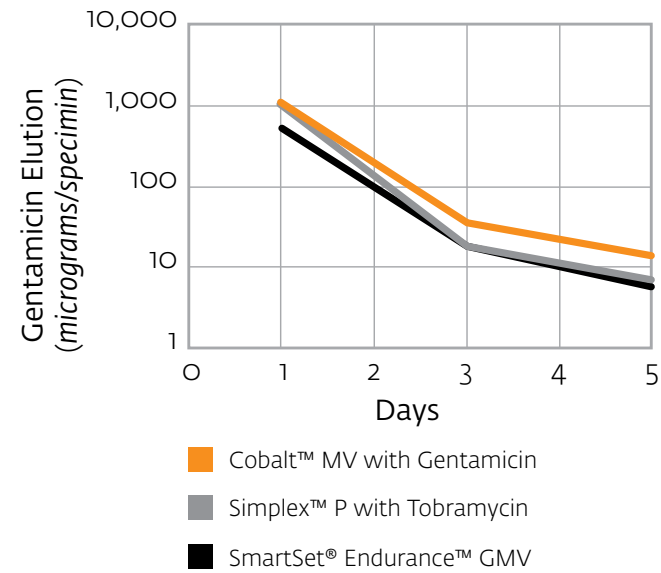
Cobalt™ MV Bone Cement

Optimal Versatility for Various Applications

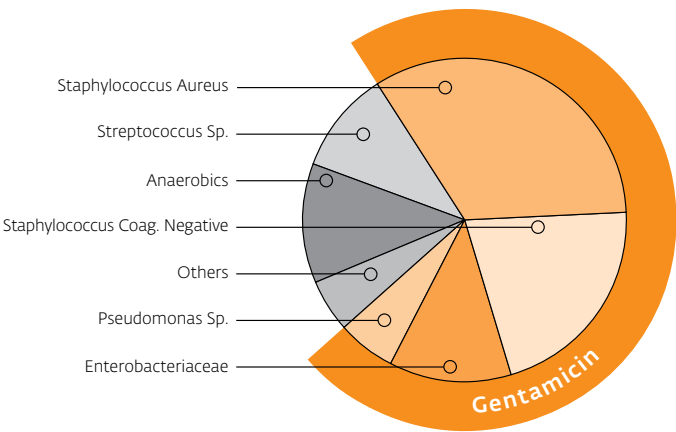
Handling and Setting Times Chart¹⁻³
Cobalt™ MV Bone Cement vs. Simplex™ P Bone Cement and SmartSet® Endurance™ MV Bone Cement at 65° F



Cobalt™ MV Bone Cement with Gentamicin Antibiotic Elution Chart¹ (µg)



Gentamicin Sulfate Spectrum of Kill⁴



Medium Viscosity Consistency

Cobalt™ MV bone cement was developed specifically for arthroplasty procedures of the hip, knee and upper extremity. With lower viscosity for longer working time, Cobalt™ MV bone cement offers optimal versatility for various applications.*

* When compared to Cobalt™ HV bone cements.

Antibiotics**

Cobalt™ Bone Cement is also available with Gentamicin. The broad spectrum of Gentamicin covers both gram-positive and gram-negative bacteria, two groups of organisms found in arthroplasty cases.^{4,5} When compared to Simplex™ P with Tobramycin and SmartSet® Endurance™ GMV, Cobalt™ MV with Gentamicin shows a higher elution rate beginning day one.¹

** Cobalt™ MV with Gentamicin bone cement is intended to affix a new prosthesis in the second stage of a two-stage revision after the initial infection has been cleared.

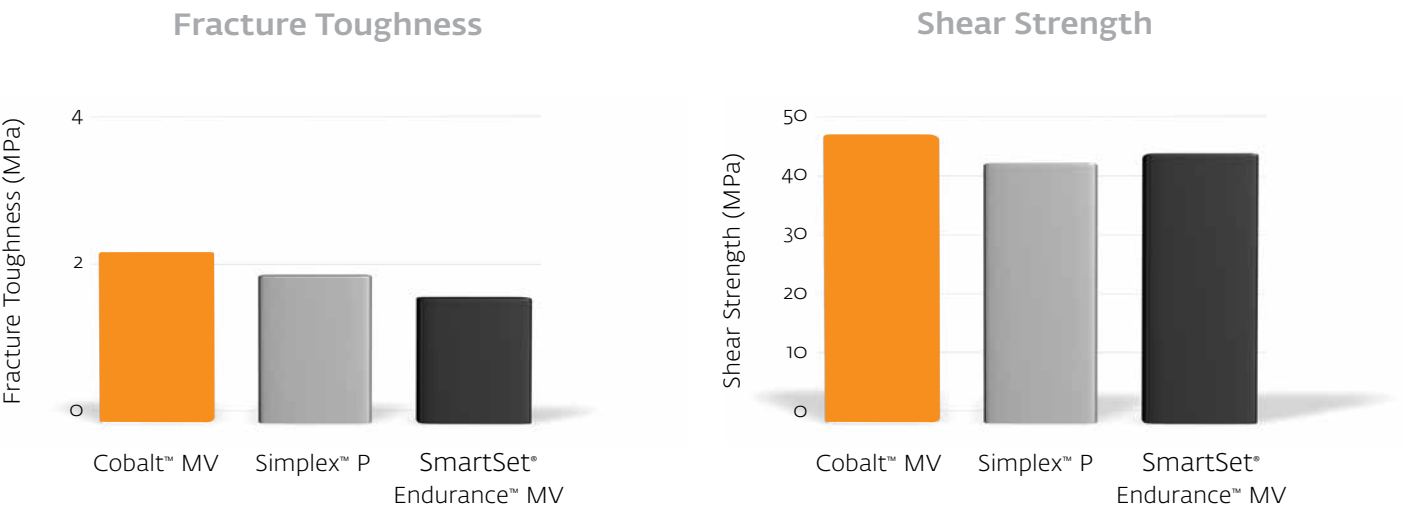
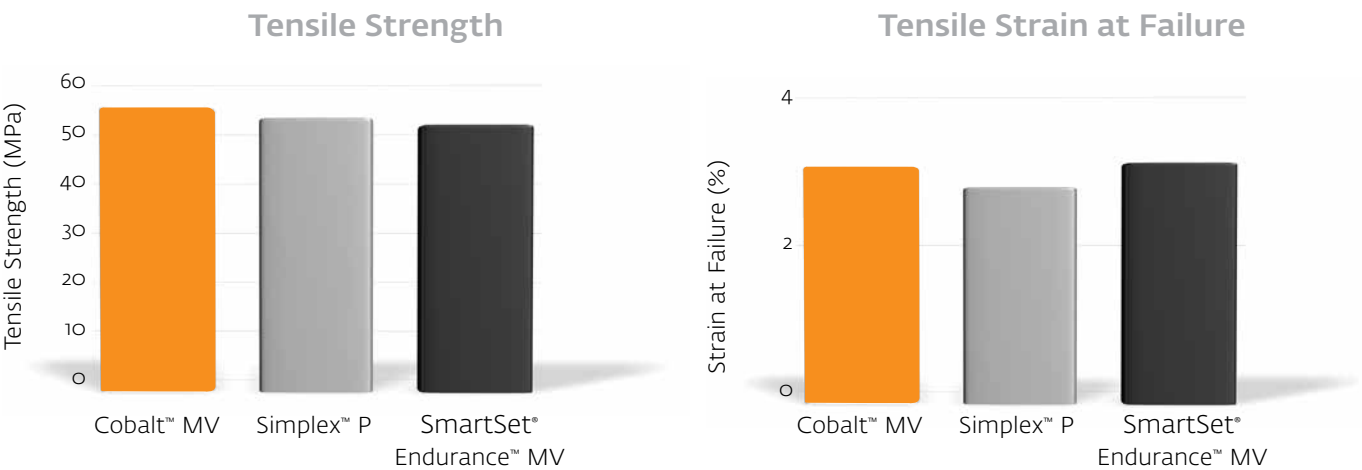
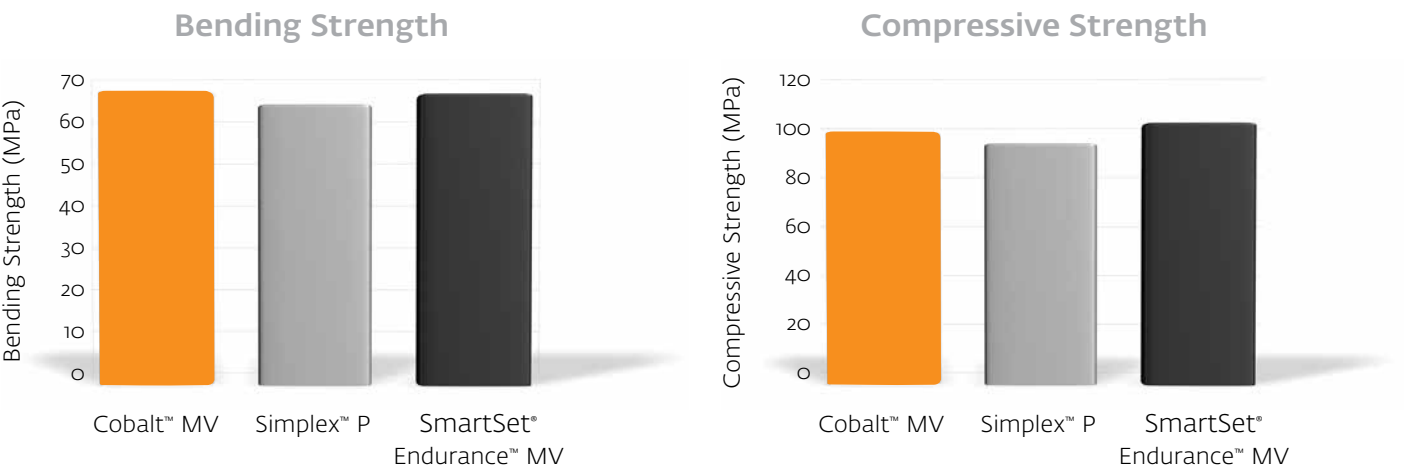
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Mechanical Testing¹

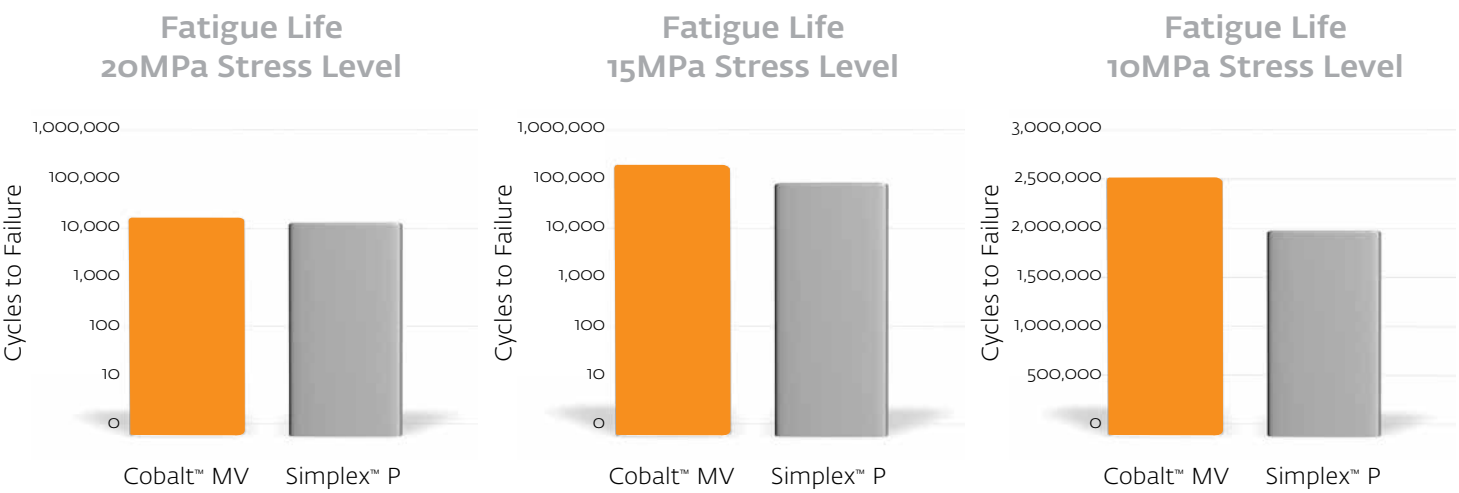
Results from our head-to-head mechanical testing using Cobalt™ MV bone cement are presented below. For comparison purposes, results for Simplex™ bone cement and SmartSet® Endurance™ MV bone cement are included. All test specimens were fabricated by molding after open bowl cement mixing.

Specimens were conditioned for at least one week in 37°C phosphate buffer solution prior to testing. Specimens were tested in ambient or immediately after removal from the conditioning batch except for fatigue specimens, which were tested in 37°C water.

Strength Testing



Fatigue Testing*



* SmartSet® Endurance™ MV bone cement fatigue testing results not available.

References

1. Data on file at DJO Surgical. Bench test results not necessarily indicative of clinical performance.
2. Simplex™ P and SpeedSet Bone Cement Brochure; LSB Rev. 3. 3/2006. Simplex™ P bone cement product.
3. DePuy Bone Cement Portfolio Overview. No. 0612-34-500 rev. 2. 3M1004. The power of choice portfolio overview.
4. Foerster, G. et al. Die infizier Huftendoprothese-Spatinfektion nach der 6. Postoperativen Woche. In: Cotta, H. Braun, A. (Hrsg.) 124–135, 1988.

Simplex™ is a trademark of the Stryker Corporation.

SmartSet® and Endurance™ are registered trademark of DePuy Orthopaedics, Inc.

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