

BARD* PERFIX* PLUG

Used in a tension-free preperitoneal **open inguinal hernia repair**

With more than 4 million implants worldwide, the hernia repair technique using the Bard* PerFix* Plug is proven to be:

Efficient

- Entire operation can take 25 minutes or less²
- Minimal dissection is required
- 4-5cm incision¹
- Local or epidural anesthesia can be used
- Accommodates all groin hernias

Effective

- Utilized in a tension-free repair technique
- Recurrence rates reported at 0.15%¹
- Less than 0.5% chronic pain rate¹



The Bard* PerFix* Plug is designed with pleated edges that conform readily to defects. The variety of sizes accommodates all groin hernias.

Mesh plug designed for use in a tension-free preperitoneal repair technique

The Bard* PerFix* Plug is ideal for use in a tension-free preperitoneal repair technique. Since its introduction in 1993, it has been used in more than four million implants worldwide, and has kept pace with new surgical techniques. For example, in the innovative Modified Bard* PerFix* Plug Technique[†], the outer cone of the Bard* PerFix* Plug, used as an underlay patch, is placed in the preperitoneal plane so that it lies flat against the posterior aspect of the transversalis fascia, assisted by intra-abdominal pressure.

The Bard* PerFix* Plug is designed with pleated edges that conform readily to defects of various sizes and shapes. The inner petals allow the plug to maintain its fluted form and can be removed to customize the Bard* PerFix* Plug to each individual patient. The monofilament polypropylene design ensures healthy tissue ingrowth.

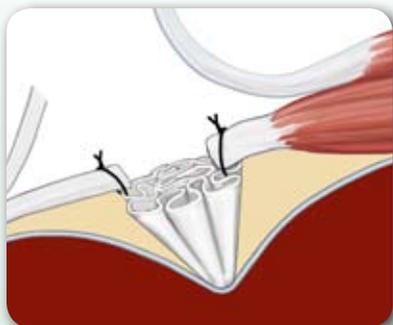
Because surgery with the Bard* PerFix* Plug requires less operating and recovery time compared to conventional hernia repair methods³, procedures can be exceptionally cost-effective.

[†]The choice of technique is subject to the expertise and experience of the trained surgeon.

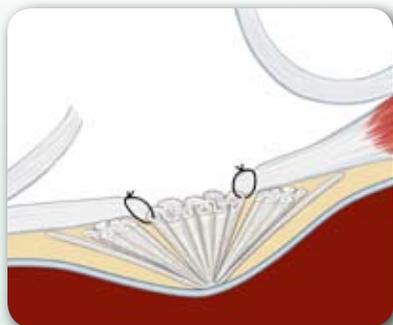


A BARD Company

Mesh Placement



Classic Technique



Modified Technique

Catalog Number	Quantity	Size	Diameter	
0112750	2/cs.	Small	1.0" x 1.35" 2.5cm x 3.4cm	<input type="checkbox"/>
0112760	2/cs.	Medium	1.3" x 1.55" 3.3cm x 3.9cm	<input type="checkbox"/>
0112770	2/cs.	Large	1.6" x 1.90" 4.1cm x 4.8cm	<input type="checkbox"/>
0112780	2/cs.	Extra Large	1.6" x 2.0" 4.1cm x 5.0cm	<input type="checkbox"/>
0112950	6/cs.	Small	1.0" x 1.35" 2.5cm x 3.4cm	<input type="checkbox"/>
0112960	6/cs.	Medium	1.3" x 1.55" 3.3cm x 3.9cm	<input type="checkbox"/>
0112970	6/cs.	Large	1.6" x 1.90" 4.1cm x 4.8cm	<input type="checkbox"/>
0112980	6/cs.	Extra Large	1.6" x 2.0" 4.1cm x 5.0cm	<input type="checkbox"/>

- I am interested in receiving a procedure introduction kit.
- Please add the Bard* PerFix* Plug to my preference card.
- I would like to have the Bard* PerFix* Plug in stock.
- I am interested in going to a Bard* PerFix* Plug hernia repair symposium.

Surgeon's Signature _____

Purchase Order Number _____

Catalog Number _____

Date _____ Quantity _____

References:

- ¹ Milliken, KW. Doolas A: A Long-Term Evaluation of the Modified Mesh-Plug Hernioplasty in Over 2,000 Patients. Springer Paris 2008; 12; 3 : 257-260
- ² Rutkow, I.M.: The Perfix plug repair for groin hernias. Surg Clinics of N. America, 2003; 83; 5: 1079-1098; 78; 6: 1007-1023
- ³ Kingsnorth Andrew, et al. Lichtenstein Patch or PerFix Plug and Patch in Inguinal Hernia: A Prospective Double-Blind Randomized Controlled Trial of Short-Term Outcome. Surgery 2000; 27; 3: 276-283

* Davol, Bard, **CK**, PerFix, Visilex, Kugel, 3DMax, Composix, Dulex, Ventralex, CruraSoft, **AlloMax**, **CollaMend**, PermaSorb, **CK**, **MK**, and Salute are trademarks and/or registered trademarks of C. R. Bard, Inc. or an affiliate. Sepramesh is a registered trademark of Genzyme Corporation licensed to C.R. Bard, Inc. or an affiliate.

Please consult product labels and inserts for indications, contraindications, warnings, precautions, and instructions for use.

†Bard* Composix* Kugel* Patch

††Bard* Modified Kugel* Patch

© Copyright 2008, C.R. Bard, Inc. All Rights Reserved.

MMPPSS2

Bard* PerFix* Plug

Ventral Hernia Repair Products

- Bard* Composix* E/X Mesh
- Bard* **CK***†† Ventral Patch
- Bard* Ventralex* Hernia Patch
- Bard* Dulex* Mesh
- Bard* Composix* Mesh
- Bard* Composix* L/P Mesh
- Bard* **CollaMend*** Implant
- Bard* **AlloMax*** Surgical Graft
- Bard* Sepramesh* IP Composite

Inguinal Hernia Repair Products

- Bard* PerFix* Plug
- Bard* Mesh Flat Sheets and Pre-Shapes
- Bard* Kugel* Hernia Patch
- Bard* **MK***††† Patch
- Bard* **Soft** Mesh
- Bard* Visilex* Mesh
- Bard* 3DMax* Mesh

Fixation Products

- Davol* Salute* II Disposable Fixation Device
- Davol* PermaSorb* Disposable Fixation Device

Specialty Products

- Bard* **CK*** Parastomal Hernia Patch
- Bard* CruraSoft* Patch

Davol Surgical Services

Clinical Training Program

National training centers offer instruction in surgical techniques and the ability to view live surgery.

Speaker Program

Educational presentations are given at Grand Rounds, Society Meetings and other venues.

Procedure Introduction Kits

Video programs that describe specific hernia repair techniques and their benefits to you, your patients and your surgical practice.

These services are available for many of the Davol Hernia Repair Products. Please ask your representative, or visit www.davol.com.



A **BAIRD** Company

Davol Inc. • Subsidiary of C. R. Bard, Inc.
100 Crossings Boulevard • Warwick, RI 02886
1.800.556.6275 • www.davol.com

Medical Services & Support 1.800.562.0027

BARD* MK[†] PATCH with Posiflex* Memory Technology

Anterior Approach to a Preperitoneal Inguinal Hernia Repair

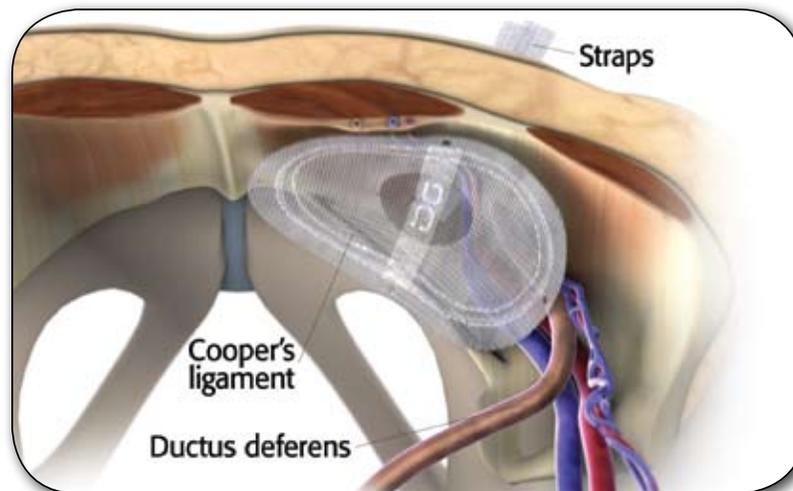
Benefits of the Bard* MK[†] Patch:

Total Confidence

- The Posiflex* Memory Technology helps to avoid buckling and folding of the mesh, which helps the patch lay flat in the preperitoneal space
- Patch covers the entire groin region, including the direct, indirect and femoral spaces, minimizing the risk of recurrence or missed hernias
- Biomechanics of intra-abdominal pressure help secure the patch in place¹

Patient Comfort

- Technique can be performed through one small 4-6cm incision
- Minimal fixation may reduce post-operative pain and the risk of neuralgia²
- A tension-free repair technique minimizes patient discomfort and provides the potential for rapid return to normal activity³
- General anesthesia is not required



Each of the three larger size patches cover all three spaces of the groin region: direct, indirect and femoral. Because the larger sizes cover the entire myopectineal orifice, an onlay patch is not required.

Mesh Patch for Preperitoneal Hernia Repair Performed via an Anterior Approach

The Bard* MK[†] Patch with Posiflex* Memory Technology repair is a minimally invasive, tension-free technique that can be completed through a small 4-6cm incision and requires minimal suturing. The technique is a preperitoneal repair



performed through an open, anterior approach that can be completed using local or regional anesthesia. The Bard MK[†] Patch is a self-expanding polypropylene patch that allows for sufficient overlap of the hernia defect. Tissue ingrowth into the polypropylene mesh and deep placement of the patch allow for a strong repair. Once the patch is placed, the Posiflex* Memory Technology helps to avoid buckling and folding – which helps the patch lay flat in the preperitoneal space. The entire groin region, including the direct, indirect and femoral spaces, is typically protected, therefore, the optional onlay patch packaged with each Bard MK[†] Patch is not required. A positioning strap and pocket facilitate placement, positioning and fixation of the patch.



A BARD Company



Catalog Number	Quantity	Size	Description	
0115808	2/cs.	7.5cm (3") diameter	Small Circle	<input type="checkbox"/>
0115810	2/cs.	10cm (4") diameter	Medium Circle	<input type="checkbox"/>
0115812	2/cs.	11.5cm (4.5") diameter	Large Circle	<input type="checkbox"/>
0115814	2/cs.	8cm x 12cm (3" x 4.5")	Small Oval	<input type="checkbox"/>
0115816	2/cs.	9.5cm x 13cm (3.5" x 5")	Medium Oval	<input type="checkbox"/>

Each Bard[®] **MK**[†] Patch comes with an optional, pre-shaped onlay patch measuring 6cm x 13.7cm (2.4" x 5.4").

Please add the Bard[®] **MK**[†] Patch to my preference card.

I would like to have the Bard[®] **MK**[†] Patch in stock.

Surgeon's Signature _____

Purchase Order Number _____

Catalog Number _____

Date _____ **Quantity** _____

References:

- ¹Kugel, R., Minimally Invasive Repair of Groin and Ventral Hernias Using a Self-Expanding Mesh Patch. Surgical Technology International X, 2002, pp. 81-87.
- ²Millikan, KW et al, A Prospective Study of the Mesh-Plug Hernioplasty. The American Surgeon, March 2001, pp. 285-289.
- ³Robbins, AW, Rutkow, IM, Open Mesh Plug Hernioplasty: The Less Invasive Procedure. Surgical Technology International V, Universal Medical Press, Inc., 1996, pp. 87-91.

^{*}© Davol, Bard, **MK**, Ventralex, Composix, Kugel, **CK**, Dulex, **CollaMend**, **AlloMax**, PerFix, 3DMax, Posiflex, CruraSoft, Salute and **CK** are trademarks and/or registered trademarks of C.R. Bard, Inc. or an affiliate. Sepramesh is a registered trademark of Genzyme Corporation Licensed to C. R. Bard, Inc. or an affiliate.

Please consult product labels and inserts for indications, contraindications, warnings, precautions, and instructions for use.

[†]Bard[®] Modified Kugel[®] Patch
^{††}Bard[®] Composix Kugel[®] Patch

© Copyright 2008, C. R. Bard, Inc. All Rights Reserved.

MMMKSS3

Bard[®] MK[†] Patch with Posiflex[®] Memory Technology is just one in a complete family of hernia repair products:

Inguinal Hernia Repair Products

- Bard[®] Mesh Flat Sheets and Pre-Shapes
- Bard[®] PerFix[®] Plug
- Bard[®] 3DMax[®] Mesh
- Bard[®] Kugel[®] Hernia Patch
- Bard[®] **Soft** Mesh
- Bard[®] Visilex[®] Mesh

Ventral Hernia Repair Products

- Bard[®] Composix[®] E/X Mesh
- Bard[®] **CK**^{††} Ventral Patch
- Bard[®] Ventralex[®] Patch
- Bard[®] Dulex[®] Mesh
- Bard[®] Composix[®] Mesh
- Bard[®] Composix[®] L/P Mesh
- Bard[®] **CollaMend**[®] Implant
- Bard[®] **AlloMax**[®] Surgical Graft
- Bard[®] Sepramesh[®] IP Composite

Fixation Products

- Davol[®] Salute[®] II Disposable Fixation Device
- Davol[®] PermaSorb[®] Disposable Fixation Device

Specialty Products

- Bard[®] **CK**[®] Parastomal Patch
- Bard[®] CruraSoft[®] Patch

Davol Surgical Services

Clinical Training Program

National training centers offer instruction in surgical techniques and the ability to view live surgery.

Speaker Program

Educational presentations are available at Grand Rounds, Society Meetings and other venues.

Procedure Introduction Kits

Video programs that describe specific hernia repair techniques and their benefits to you, your patients and your surgical practice.

Patient Education

Informational brochures for your practice and a patient education and surgeon referral website – www.herniainfo.com.

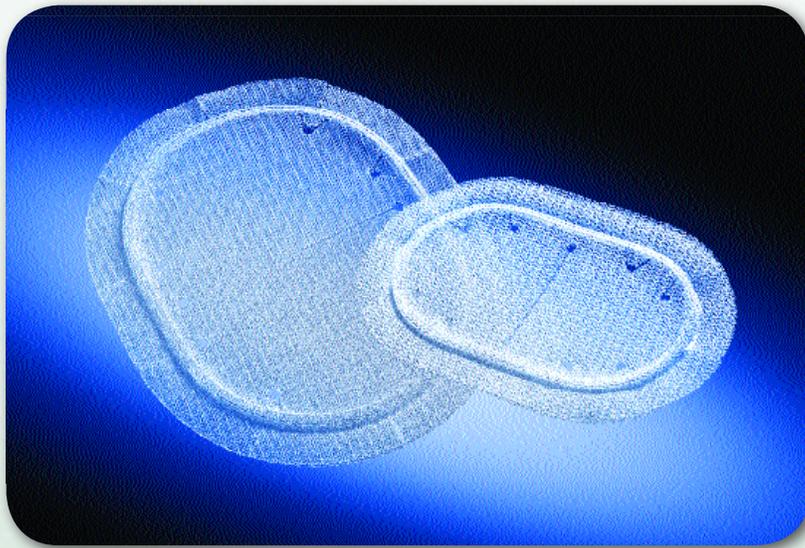
These services are available for many of the **Davol** Hernia Repair Products. Please ask your representative, or visit www.davol.com.



A **BARD** Company

Davol Inc. • Subsidiary of C. R. Bard, Inc.
 100 Crossings Boulevard • Warwick, RI 02886
 1.800.556.6275 • www.davol.com

Medical Services & Support 1.800.562.0027



Bard* Kugel* Hernia Patch is just one in a complete family of hernia repair products:

Ventral Hernia Repair Products

- Bard* Composix* E/X Mesh
- Bard* Composix* Kugel* Hernia Patch
- Bard* Ventralex* Patch
- Bard* Dulex* Mesh
- Bard* Composix* L/P Mesh
- Bard* **CollaMend** Implant
- Bard* **AlloMax** Surgical Graft

Inguinal Hernia Repair Products

- Bard* Mesh Flat Sheets and Pre-Shapes
- Bard* PerFix* Plug
- Bard* Modified Kugel* Patch
- Bard* 3DMax*
- Bard* **Soft** Mesh

Hiatal Hernia Repair Products

- Bard* CruraSoft* Patch

Fixation Products

- Davol* Salute* Fixation Device

Specialty Products

- Bard* **CK** Parastomal Patch

Davol Surgical Services

Clinical Training Program

National training centers offer instruction in surgical techniques and the ability to view live surgery.

Speaker Program

Educational presentations are given at Grand Rounds, Society Meetings and other venues.

Procedure Introduction Kits

Video programs that describe specific hernia repair techniques and their benefits to you, your patients and your surgical practice.

These services are available for many of the Davol Hernia Repair Products. Please ask your representative.

Catalog Number	Description	Quantity	Size
0010101	Small Oval	2/cs.	3" x 4.6" (8cm x 11.76cm)
0010105	Medium Oval	2/cs.	4.34" x 5.5" (11cm x 14cm)
Also available in sizes designed for ventral and umbilical hernia repair:			
0010102	Large Oval	2/cs.	5.5" x 7" (14cm x 17.78cm)
0010103	Small Circle	2/cs.	3" (7.62cm) diameter
0010104	Large Circle	w2/cs.	4.5" (11.43cm) diameter

Q Please add Bard* Kugel* Patch to my preference card.

Q I would like to have Bard* Kugel* Patch in stock.

Surgeon's Signature _____

Purchase Order Number _____

Catalog Number _____

Date _____ Quantity _____

* Davol, Bard, Ventralex, Composix, Kugel, Dulex, **CollaMend**, **AlloMax**, 3DMax, CruraSoft, Salute and are trademarks and/or registered trademarks of C.R. Bard, Inc. or an affiliate. **CK**

Please consult product labels for indications, contraindications, warnings, precautions, and instructions for use.

Copyright © 2007 C.R. Bard, Inc. All rights reserved.

MMLPSS2



A BARD Company

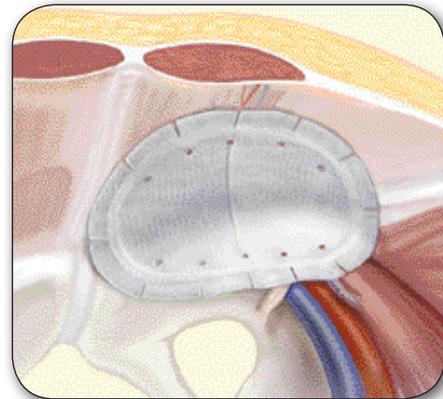
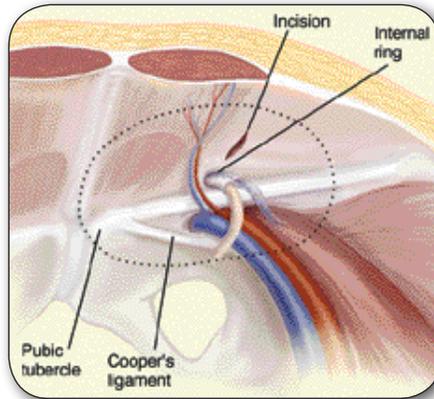
Davol Inc. • Subsidiary of C. R. Bard, Inc.
 P.O. Box 8500 • Cranston, RI 02920
 1.800.556.6275 • www.davol.com

BARD* KUGEL* HERNIA PATCH

Open Posterior Approach to a Preperitoneal Inguinal Repair

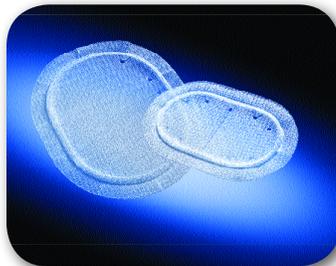
Benefits of the Bard* Kugel* Hernia Patch Technique:

- Can be performed through a small 3-4cm incision
- Covers the entire groin region, reducing risk of recurrent or missed hernias
- Same mesh placement as in a laparoscopic repair without the potential costs and complications¹
- “Near sutureless” repair reduces time-consuming suturing¹
- Low recurrence rate³
- Results in minimal post-operative pain^{1,2}



The Bard* Kugel Patch technique is a preperitoneal repair in which the patch covers the direct, indirect and femoral space.

Self-Expanding Mesh Patch for Preperitoneal Hernia Repair



The Bard Kugel Patch technique offers a cost-effective alternative to laparoscopic inguinal hernia repair for surgeons who want a true preperitoneal repair¹. It is performed via an open posterior approach to the

preperitoneal plane using local or regional anesthesia. The dissection of the space is the same as in a laparoscopic TEP repair except digital dissection is used in place of a balloon dissector to provide direct visualization. The Bard Kugel Patch is constructed of a double layer of monofilament polypropylene. This construction creates a positioning pocket which is used to guide the patch into proper placement. The patch also contains a patented “memory recoil” ring that allows the patch to spring open and maintain its shape.



A BARD Company