

Biogel®



“I wouldn’t have known  
these gloves were  
radiation-attenuating if  
I hadn’t been told”

Cardiovascular Thoracic Surgeon, Texas<sup>1</sup>

**Experience hand radiation protection  
with the fit and dexterity you expect in  
a surgical glove.**

Repeated radiation exposure to the hands  
can lead to serious and lasting consequences  
including cancer and skin injury.<sup>2,3,4</sup>

Our new polyisoprene and tungsten radiation  
protection surgical glove range has been  
specifically developed to meet radiation  
safety standards, while providing the fit and  
comfort expected from a surgical glove.

These gloves are also FDA 510(k) cleared  
enabling direct patient contact.<sup>5</sup>



**Introducing  
Biogel® Radiation Protection™  
Surgical Gloves**

**Because skilled hands  
deserve better**

# Cumulative radiation exposure to the hands can lead to measurable health risks including cancer and skin injury.<sup>2,3,4</sup>

- The hands can receive up to **1,000×** more radiation than other parts of the body during fluoroscopic procedures.<sup>6</sup>
- Radiation-attenuating gloves are only used in **10%** of applicable procedures, while lead aprons and shields are worn in **99%** of cases.<sup>7</sup>
- Clinicians working within **3 feet** of the patient for more than **50%** of procedural time are exposed to significantly high levels of scatter radiation.<sup>8</sup>
- **31%** of surgeons reported dermatologist diagnosed radiation-induced skin injury to their hands in a clinical survey.<sup>9</sup>



## Experience the next generation of radiation protection with the fit of a Biogel<sup>®</sup> surgical glove.

- Preferred fit<sup>1</sup>, comfort and dexterity
- Proprietary tungsten composition (lead-free)
- Synthetic polyisoprene
- Manufactured without natural rubber latex, MBT or DPG
- FDA 510(k) cleared Class I surgical glove allowing direct patient contact<sup>5</sup>
- No more compromise between protection & comfort



### Ordering information

| Product name                                                                | Thickness | Order number | UOM             | Per case         |
|-----------------------------------------------------------------------------|-----------|--------------|-----------------|------------------|
| Biogel <sup>®</sup> Radiation Protection <sup>™</sup> Micro Surgical Gloves | 9.8 mils  | 52060-52090  | 5 pairs per box | 20 pairs 4 boxes |
| Biogel <sup>®</sup> Radiation Protection <sup>™</sup> Surgical Gloves       | 13.4 mils | 53060-53090  | 5 pairs per box | 20 pairs 4 boxes |



For more information or to request a sample, visit  
[www.molnlycke.us/biogel](http://www.molnlycke.us/biogel)



\*Surgeons using radiation protection gloves who evaluated Biogel Radiation Protection gloves rated overall satisfaction of fit, feel, dexterity, and other features as 8.7/10.

**References.** 1. Biogel Radiation Protection Glove New Product Testing of 29 Surgeons, 2025 2. Hijikata Y, Yamashita K, Hatsusaka N et al [2025] Prevalence of cataractous changes in the eyes and chronic inflammatory changes in the hands among spine surgeons. J Bone Joint Surg Am; 107(7):e25. 3. Chambers CE, Fetterly KA, Holzer R et al [2011] Radiation safety program for the cardiac catheterization laboratory. Catheterization Cardiovasc Intervent; 77(4):546-556. 4. Andreasen MG, Piccaluga E, Guagliumi G et al [2016] Occupational health risks in cardiac catheterization laboratory workers. Circ Cardiovasc Interv; 9(4):e003273. 5. Mölnlycke Technical Data on File 6. Chapman T, Martin DP, Williamson C, Tinsley B, Wang ML, Ilyas AM. Mini C-arm fluoroscopy: does its configuration matter for radiation exposure to the surgeon? HAND. 2018;13(5):552-557. 7. Dudley AG, Semins MJ. Radiation Practice Patterns and Exposure in the High-volume Endourologist. Urology. 2015 May;85(5):1019-1024. 8. Milder CM, Borrego D, Preston DL, et al. Occupational radiation dose trends in U.S. radiologic technologists assisting with fluoroscopically guided interventional procedures, 1980-2020. J Vasc Interv Radiol. 2024;35(7):1057-1065.e4. 9. Asari T, Rokunohe D, Sasaki E et al [2022] Occupational ionizing radiation-induced skin injury among orthopedic surgeons: A clinical survey. J Orthop Sci; 27(1):266-271. 10. Biogel Radiation Protection Glove New Product Testing of 29 Surgeons, 2025

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