



# Progel<sup>™</sup> Platinum Surgical Sealant

Reduce postoperative air leak complications.<sup>1</sup>



# Complementing your thoracic technique. Reinforcing your most important work.

Progel™ Platinum Surgical Sealant is an option that can help you address postoperative air leak complications. Progel™ Platinum is clinically proven to seal air leaks and reduce length of stay.<sup>1</sup> It is specifically designed to complement your surgical technique — reinforcing and protecting the meticulous work you perform.

## Adherence

- Flows easily into the tissue's intricate anatomy
- Cross-linking continues at the tissue site
- Direct contact with the visceral pleura for strength in adherence

## Strength

- Begins to form a hydrogel within 15–30 seconds<sup>2</sup>
- Reaches adequate strength within 2 minutes<sup>2</sup>
- Supports seal strength during critical postoperative period<sup>3</sup>

## Flexibility

- Engineered to be flexible<sup>3</sup>
- Able to expand and contract during respiration
- Provides elasticity with a strong seal

## Proprietary science and technology designed to optimise patient outcomes

Progel™ Platinum Surgical Sealant is a specialised sealant comprised of a proprietary combination of recombinant human albumin (rHA) and Polyethylene Glycol (PEG). The resulting hydrogel provides strength, flexibility and adherence to the visceral pleura.



### rHA: optimal contact and adherence

recombinant human albumin (rHA) is a large protein molecule that provides Progel™ Platinum with its adhesive strength.

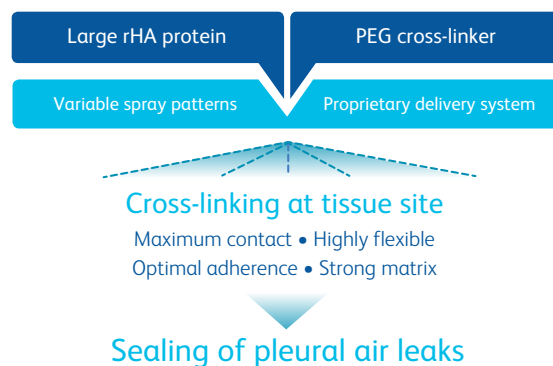


### PEG: strength and flexibility

The proprietary polyethylene glycol (PEG) used in the Progel™ Platinum formulation is a non-toxic, non-immunogenic molecule<sup>4</sup> which lends the hydrogel its ability to stretch.

## The Progel™ Platinum sealing cascade

Progel™ Platinum is used for adjunctive treatment of pleural air leaks during open thoracotomy, Progel™ Platinum forms a highly-flexible hydrogel specifically designed for use on the lung.



1. Allen, Mark S. et al. Prospective Randomized Study Evaluating a Biodegradable Polymeric Sealant for Sealing Intraoperative Air Leaks That Occur During Pulmonary Resection. *Annals of Thoracic Surgery* 2004;77:1792-1801. Pivotal Study. Data on file.
2. Progel™ Platinum Surgical Sealant Instructions for Use. M-00249.
3. Theodore, Pierre, et al. Surgical sealant physical characteristics in vitro comparison to mitigate lung air leaks 2012. Davol Inc. In vitro testing. Data on file. In vitro test results may not correlate to clinical performance. Five samples of each device were included in each in vitro test. The elongation modulus of Progel™ was significantly less than that of BioGlue® ( $p < 0.05$ ) and comparable to that of COSEAL® and DuraSeal™. Progel™ burst strength at time zero was significantly greater than that of COSEAL®, TISSEEL™, BioGlue® and DuraSeal™ ( $p < 0.05$ ).
4. Davol, Inc. Comprehensive Biocompatibility Study. Data on File. See full product labeling for complete Instructions For Use and important safety information.
5. The Progel™ Pleural Air Leak Sealant formulation incorporates Human Serum Albumin (HSA). The Progel™ Platinum Surgical Sealant formulation incorporates recombinant Human Albumin in place of HSA. Based on the results of pre-clinical studies, no differences in clinical outcomes between Progel™ Pleural Air Leak Sealant and Progel™ Platinum Surgical Sealant are anticipated.



## Designed specifically for the lung and its unique characteristics

**Progel™ Platinum is clinically proven to seal air leaks and reduce length of stay.<sup>1</sup>**

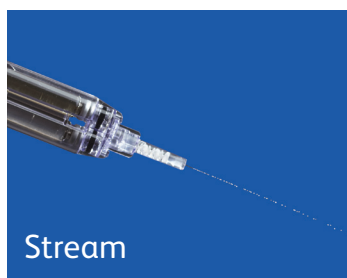
Air leaks are one of the most common complications associated with pulmonary surgery, and when left untreated can lead to additional complications and morbidities that extend inpatient hospitalisation and increase healthcare costs. Progel™ Pleural<sup>5</sup> Surgical Sealant (human serum albumin and polyethylene glycol) was evaluated in a prospective, randomised, controlled multi-center trial and demonstrated significantly improved clinical outcomes as compared to treatment with sutures or staples alone.

### Variable spray patterns for targeted application

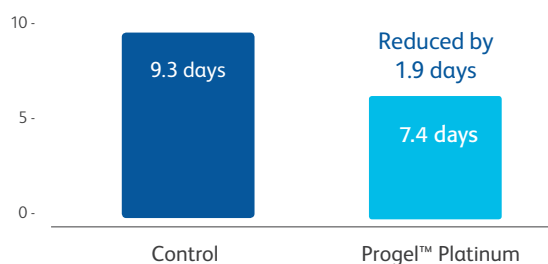
Our patented spray tips allow for variable spray patterns from a single, easy-to-use device. Customise your Progel™ Platinum technique using a stream for targeted application to sutures and staple lines, or increase surface coverage using a fine mist to reinforce where needed.

Minimal pressure applied to applicator

Increasing pressure applied to applicator



### Hospital stay<sup>1</sup>



Shown to reduce the length of hospitalisation by 1.9 mean days, potentially minimising associated complications and cost-of-care.<sup>1</sup>

### Extended applicator spray tips<sup>\*\*</sup>



Progel™ extended spray tip 6" (16 cm)



Progel™ extended spray tip 11" (29 cm)

<sup>\*\*</sup>Applicator spray tips NOT shown to actual size.

Ordering Information		
Cat. no.	Description	Qty.
PGSSS008KIT	Progel Platinum Surgical Sealant (4 mL)	4/cs.
PGEN005-16	Progel™ Extended Applicator Spray Tips (16cm)	4/cs.
PGEN005-29	Progel™ Extended Spray Tip (29 cm)	4/cs.



Please consult product labels and inserts for any indications, contraindications, hazards, warnings, cautions and instructions for use.