Hydrogels
The Industry’s Choice in Gel
Covidien Hydrogels

Covidien is a recognized worldwide leading manufacturer of the industry’s highest quality and most comprehensive line of hydrogels.

We have a multitude of formulations with the ability to cure hydrogels via ultra violet light, electron beam or thermoreactivity.

Our gels are used globally for a variety of applications including ECG signaling, defibrillation, electrosurgical and iontophoretic return electrodes, T.E.N.S., wound care, cosmetics and non-skin adhesives.

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**Electron Beam Cure**

**Synthetic Polymers**

PEO (Polyethylene-Oxide)
PVP (Polyvinylpyrrolidone)

- Eto and gamma sterilizable gels
- Gels available in bulk rolls or can be die cut and packaged to your specifications
- Custom formulating available
- Capable of coating up to 14” web width
- A variety of liners, scrim types and colors offered
- Bio-burden testing

**Applications**

- Wound care
- Cosmetics
- Defibrillation electrodes
- Electrosurgical grounding pads
- Skin cushion pads

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**Thermo-reactively Cured Natural Polysaccharide Karaya**

- Conductive and adhesive properties
- Exceptional buffering abilities
- Brown opaque in color
- Bulk rolls and slit widths available

**Applications**

- Ostomy gaskets
- Iontophoresis return electrodes
- Neonatal electrodes
Thermo-reactively Cured Highly Purified Synthetic Hydrogels

- Bulk rolls and slit widths available

Applications
- ECG signaling
- Defibrillation electrodes

Ultra Violet Cured Polymers

- 26 unique formulations
- Master rolls coated at both 8.75" (222 mm) and 12.00" (304 mm) usable gel widths
- Custom slitting available
- A variety of liner thicknesses
- Microbial growth resistant
- Exceptional consistency
- Up to 3 year shelf life when stored in original packaging

Applications
- ECG signaling
- T.E.N.S.
- Specialty neonatal
- Electrosurgical grounding pads

Mesh Placement Options

- Low Density Polyethylene Top Liner
- MESH HIGH PLACEMENT
- MESH CENTER PLACEMENT
- MESH LOW PLACEMENT
- Polyethylene Bottom Liner
Covidien Hydrogels

Biocompatibility Testing
Every hydrogel we manufacture for skin contact is tested according to ISO 10993 standard. This standard includes testing for cytotoxicity, primary skin irritation and sensitization.

Latex Free Certification
All of the hydrogels produced by Covidien contain no natural latex protein.

Custom Hydrogel Solutions
While it is likely that your hydrogel application can be met within our existing broad portfolio of hydrogels, Covidien has an experienced staff of research and development professionals to discuss your requirements and exceed your expectations.

Quality Certifications
ISO 13485:2003
ISO 14001:2004