



## PureRegen® Gel Otol

### Crosslinked hyaluronan gel particularly designed for otology

- Ideal viscous and degradation profile, presence at the install site for up to 3 weeks
- No animal sourced components, no inflammatory stimulations
- No toxic residuals: having superior biocompatibility
- Effectively preventing adhesion after outer/middle ear surgeries:

- ▶ Tympanoplasty
- ▶ Canalplasty
- ▶ Ossicularplasty
- ▶ Mastoia surgery
- ▶ Stapes surgery



### Unique features assist friendly use

- Completely degradable and elimination from the installation site
- No need for painful removal
- No secondary damage to the repair tissue
- Adapting to any shape of cavity and avoiding "dead" space
- Moldable delivery cannula to facilitate injection into the desire location



### Distinctive material properties

- Proprietary technology enables preservation of hyaluronan biological functions
- Controlled degradation profile to act as barrier during critical tissue repair period
- Hydrophilic property and adequate swelling to stop minimal bleeding
- Provide supporting function to ear ossicles
- Terminal sterilization to maximize safety after application

**Mucous healing**

**Gel volume/inflammation**

Day 1 → Day 21



# PureRegen® Gel Otol

In vivo study demonstrated the efficacious\*

- Clearly presented in the middle ear at 3 weeks' application
- Efficiently prevented fibrosis and adhesion
- Did not impact auditory brainstem response
- Did not cause any ossification



\*Using crosslinked hyaluronic gel as middle ear dressing to prevent adhesion after tympanic penetration via myringotomy in guinea pigs (Internal data file)



## Order Information

Product Ref.	Description	Packing
40-004	PureRegen® Gel Otol (2 cc) w/ cannula	Box with 6 units

Manufactured by



BioRegen Biomedical Co., Ltd.

Changzhou, China



PureRegen® Gel Otol is a single-use medical device. Read Instruction For Use before application. PureRegen® Gel Otol is only for prescription and used by licensed medical care personal.

