

Extralink®

PEGDA, POLYETHYLENE GLYCOL DIACRYLATE
Catalog Number: **#GS3007F-10EA** **#GS3006F-5EA**

OVERVIEW

Extralink® (PEGDA, polyethylene glycol diacrylate) is a component of Hystem. It is packaged in 0.5 mL or 2.5 mL vials. Vials are blanketed by nitrogen and under a slight vacuum.

#GS3007-10EA	# of Units	Material Amount Per Vial	Reconstitution Volume Per Vial
Extralink – GS3007F	10	7.5 mg	0.5 mL
Buffer B – GS250F	1	10 mL	-

#GS3006F-5EA	# of Units	Material Amount Per Vial	Reconstitution Volume Per Vial
Extralink – GS3006F	5	37.5 mg	2.5 mL
Buffer B – GS251F	1	20 mL	-

STORAGE

Extralink: Store at -20 or 4°C for up to one year.
Reconstituted solutions can be stored at -20°C for one month.

INSTRUCTIONS FOR USE

Extralink is prepared by dissolving the lyophilized solids with BUFFER B. When reconstituted following the directions below, Extralink will be in 1X phosphate buffered saline (PBS) at a pH of ~7.4.

- 1) Allow Extralink® to come to room temperature.
- 2) Under aseptic conditions, using a syringe and needle, add Buffer B to Extralink. Follow reconstitution chart below. If vial stopper is removed during reconstitution, minimize exposure to oxygen to avoid potential auto-crosslinking. **DO NOT WEIGH OUT COMPONENTS OR USE ANOTHER BUFFER DURING RECONSTITUTION.**

Kit Components	Buffer to Add Per Vial
Extralink – GS3007F	0.5 mL of Buffer B
Extralink – GS3006F	2.5 mL of Buffer B

- 3) Immediately invert or vortex each vial for a few seconds after the addition of Buffer B. Components will fully dissolve in < 1 minute. Warming to 37 °C and gently vortexing will speed dissolution. Components will be clear colorless solution.
- 4) Extralink is used to chemically crosslink hydrogels made from Glycosil® or Heprasil® and Gelin-S®. Extralink does not form a hydrogel on its own.
- 5) Typically, Extralink is used in a 1:2:2 volume ratio with Glycosil/Heprasil, and Gelin-S, as follows:
 - a) 0.25 mL Extralink is crosslinked with 0.5 mL Glycosil + 0.5 mL Gelin-S
 - b) 0.25 mL Extralink is crosslinked with 0.5 mL Heprasil + 0.5 mL Gelin-S
- 6) **Notes:** Gelation time varies depending upon the amount of Extralink, Glycosil, or Heprasil, and the amount of Gelin-S used. Hydrogels that include Gelin-S will typically have longer gelation times than those made only with Glycosil, or Heprasil. Gelin-S will not form a hydrogel when mixed with Extralink. Hydrogels made using only Extralink and Glycosil or Heprasil will not support cell attachment.

Additional Hystem® information, white papers, applications, references, and certificates, can be found by our visiting at www.AdvancedBioMatrix.com