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**Fuji Triage Glass-Ionomer Sealant & Temporary Restorative Material (Project 03-08)**  
(09/03)

Pit and fissure sealants play an important role in preventive dentistry. Since their introduction to the dental profession in 1967, sealants have been shown to prevent caries in pit and fissures and to arrest undiagnosed caries in non-cavitated pit and fissures. Sealants are usually resin-based composites and quite similar to each other with only minor variations in their method of placement and viscosity. Fuji Triage is a new low-viscosity glass ionomer by GC America. The chemically-setting, fluoride-releasing material is indicated for pit and fissure sealing, for filling of endodontic-access openings and for treatment of non-cavitated lesions. The company claims that the moisture-friendly glass ionomer is ideal for sealing partially-erupted molars and the self-bonding feature allows fewer steps in a shorter amount of time. The high fluoride release of Fuji Triage may be beneficial when used as an intermediate-restorative material in a situation of rampant caries.



**Manufacturer:**

GC America  
3737 W. 127<sup>th</sup> Street  
Alsip, IL 60803  
(800) 323-7063  
(708) 597-0900  
(708) 371-5103 FAX  
[www.gcamerica.com](http://www.gcamerica.com)

**Suggested Retail Price:**

\$175.99 Fuji Triage Starter Package (item number 439990) contains 50 capsules and applicator  
-\$30.45 GC Cavity Conditioner

**Government Price:**

\$84.00 Fuji Triage Starter Package (item number and contents as described above)  
-\$9.00 GC Cavity Conditioner

**ADVANTAGES:**

- + Easy placement for temporary restorations.
- + Convenient unit-dose capsules.
- + Reduced chemical-setting time with curing light.
- + Less moisture sensitivity.
- + Releases fluoride.
- + Lot number and expiration date printed on individual capsule package.
- + Written instructions and graphics are easy to understand and contain adequate detail.
- + Autoclavable applicator.

**DISADVANTAGES:**

- Thicker viscosity makes sealant placement difficult.
- Pink color may be objectionable.
- Tacky, sticks to instruments.
- Bulky dispenser may limit access.
- Conditioner and varnish must be purchased separately.
- Relatively low diametral tensile strength.
- No Material Safety Data Sheet (MSDS) provided with product.

**SUMMARY AND CONCLUSIONS:**

Fuji Triage is a new fluoride-releasing, chemically-setting glass ionomer used for pit and fissure sealing, filling of endodontic access openings, temporary restoration of rampant carious lesions, and cavity lining in patients at high risk for caries. The instructions and glossy summary card were well received by evaluators as well as the ease of mixing and dispensing. However, users reported difficulties when handling the material during sealant placement; reporting that the viscosity increased rapidly, limiting working time and the ability to flow a small amount of the material into the depths of the pits and fissures. Also, many operators objected to the pink color. Due to its moisture tolerance, Fuji Triage may be useful as a sealant in cases with difficult isolation, such as partially-erupted molars. However, some evaluators noted that the bulky dispenser limited access to posterior areas. The glass ionomer received better reviews when used to close endodontic access openings or for intermediate restorations. However, most providers rated the glass ionomer as only "Average" or "Fair" overall and would not consider its purchase for their clinic. **Fuji Triage** is rated **Marginal** for use as a sealant and **Acceptable** for use as an intermediate restorative material in the federal dental services.