

## COMPETITIVE COMPARISON

# FluoroCal™

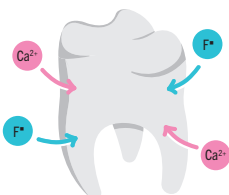
5% Sodium Fluoride Varnish with  
Tri-Calcium Phosphate (TCP)

vs

## Other Fluoride Varnishes

### 1 Sustained Fluoride and Calcium Release

Fluoride varnishes with sustained release allow fluoride to be delivered over a longer period and deposited onto the tooth.<sup>1</sup> **FluoroCal delivers targeted and sustained release of fluoride and calcium for over 24 hours.**<sup>2</sup>



### 2 Less Chair-Time

**FluoroCal does not require prophylaxis**, or a deep cleaning of the teeth, prior to application. Additionally, **it is simply brushed onto the teeth for a quick and easy application**, meaning less chair-time for both the clinician and patient.



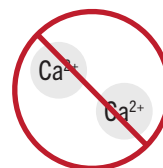
### 3 Esthetic

**FluoroCal is an esthetic white varnish that blends with the natural tooth color**, leaving no discoloration.



### No Calcium Release

Many varnishes, foams and gels release fluoride, but **do not contain or release calcium**. Natural protection for teeth is hindered when the mouth does not produce enough saliva. The addition of calcium phosphate minerals into a varnish can help generate more saliva, and therefore stimulate the mouth's natural protective processes.<sup>1</sup>



### More Chair-Time

Many fluoride varnishes **require prophylaxis prior to application**, which can take anywhere from **30 minutes to an hour to perform**.<sup>3</sup> This increase in chair-time can be particularly challenging for pediatric patients.



### Some Discoloration

Some fluoride varnishes leave a **temporary yellow-brown discoloration on the tooth structure**,<sup>4</sup> resulting in **unappealing esthetics** for the patient.



1. Arnold Megan. Are Fluoride Varnishes Really All The Same? Dental Products Report. July 19, 2017

2. As tested in deionized water.

3. Lacson, Danica. Teeth Cleaning: Procedure, Frequency, and Benefits. Hawaii Family Dental. October 2, 2018.

4. Berg J, Riedy CA, Tercero A. Patient and parental perception of a new fluoride varnish. Compend Contin Educ Dent. 2006 Nov; 27 (11):614-8; quiz 619.

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### 4 Made Without Gluten, Dairy, or Dairy Proteins

FluoroCal is made without gluten, dairy, or dairy proteins.



Dairy Free



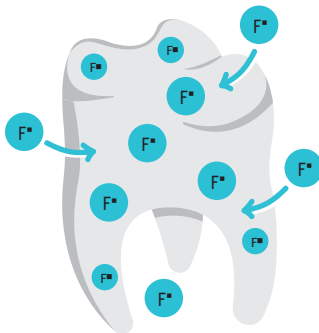
Gluten Free



Dairy Protein Free

### 5 High Fluoride Uptake

The **high enamel fluoride uptake** of FluoroCal<sup>7</sup> enables it to **encourage the strengthening of tooth enamel**, while also **preventing further sensitivity**.<sup>8</sup>



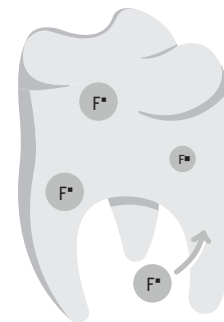
### Made With Gluten, Dairy, or Dairy Proteins

Although many fluoride varnishes are now gluten free, **some may contain dairy, or the cow's milk derivative, Recaldent**.<sup>5</sup> Over 6 million people in the U.S. have milk allergies,<sup>6</sup> making it important for doctors to consult with patients prior to application of any fluoride varnish.



### Lower Fluoride Uptake

When tested, FluoroCal demonstrated **statistically higher enamel fluoride uptake** compared to other leading varnishes.<sup>7</sup>



5. Davis W. Michael. Review Allergies in Your Patients' Health Histories – Not just Drug Allergies. Dentistry Today. 08 May 2019.

6. Gupta RS, Warren CM, Smith BM, Jiang J, Blumenstock JA, Davis MM, Schleimer RP, Nadeau KC. Prevalence and Severity of Food Allergies Among US Adults. JAMA Network Open. 2019.

7. Bisco has, on file, the fluoride uptake data for FluoroCal.

8. Peterson LG. The role of fluoride in the preventative management of dentin hypersensitivity and root caries. Clin Oral Investig. 2013;17 Suppl 1(Suppl 1):S63-S71. doi:10.1007/s00784-012-0916-9