



Caries Finder™ is a patented 1% Acid Red 52 solution in a propylene glycol base. Caries Finder assists the clinician in identifying and removing the outer, unsavable infected dentin while minimizing the loss of inner, savable soft dentin.

Through the extensive research of Dr. Takao Fusayama and other dental researchers, the existence of two distinct layers of soft dentin have been observed. The outer soft dentin is infected, unremineralizable with irreversibly denatured collagen, non-vital and non-sensitive. The inner soft dentin is uninfected, remineralizable with reversibly denatured collagen. Optimally, the outer soft dentin should be removed while the maximum inner non-infected is preserved.

If softness and discoloration are used as the sole guide to caries removal, excessive inner non-infected dentin will necessarily be removed. As Caries Finder only stains the outer infected dentin, Caries Finder provides the clinician with an invaluable guide to help ensure that all the outer infected dentin is removed and the maximum amount of inner dentin is preserved.

#### **APPLICATION INSTRUCTIONS**

Caries Finder is generally used in the following manner:

1. Make conservative cavity access.
2. Wash and dry carious dentin.
3. Dispense one or two drops of Caries Finder into a dappen dish and apply to cavity with a brush or sponge.
4. Wait five seconds and rinse with water.
5. Remove red stained outer infected dentin.

**NOTE:** When using Caries Finder, the following procedures should be followed to optimize caries removal.

- a. Only remove the non-sensitive red stained tissue. Use care to avoid cutting the sensitive non-stained tissue.
- b. A low-speed rotary instrument should be used for carious dentin removal since the frictional heat generated by the high-speed drill may cause pain before all of the stained outer carious dentin is removed.

Repeat steps 2 - 5 until outer carious dentin is removed and no staining continues.



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**CARIES FINDER****INSTRUCTIONS****CAUTION**

- To avoid cross-contamination, do not dispense Caries Finder directly from the bottle to the cavity. Instead use an applicator sponge or brush.
- Caries Finder may stain clothing and skin. In the event Caries Finder is accidentally spilled, immediate washing with soap and water will reduce the extent of any staining.
- If Caries Finder is accidentally spilled in the eye or an open wound, flush with generous amounts of water and seek medical assistance.

**STORAGE AND SHELF LIFE**

Do not store near extreme heat sources or in direct sunlight.  
Caries Finder has a three year shelf life.

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