

## Decal Quick Clear

**Description:**

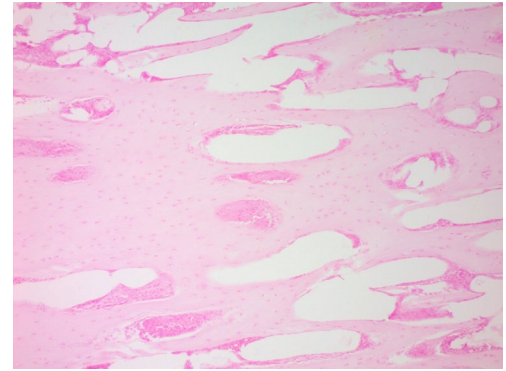
Decal Quick Clear utilizes hydrochloric acid and a chelating agent to quickly bind and remove all calcium from bone/calcified tissues. This allows the sample to then be sectioned with standard microtomy procedures. This reagent is a more concentrated version of ScyTek’s standard Decal Clear (DCR) and provides a faster rate of decalcification. This solution is ideal for processing tissues that will undergo special staining and procedures other than Immunohistochemistry. Hydrochloric acid-based reagents can negatively affect staining results of immunohistochemical procedures and other decalcification solutions should be considered.

**Availability/Contents:**

<u>Item #</u>	<u>Volume</u>
DQC999	1 Liter
DQC3800	1 Gallon

**Uses/Limitations**

Not to be taken internally.  
For In-Vitro Diagnostic use.  
Histological applications.  
Do not use if reagent become cloudy.  
Do not use past expiration date.  
Use caution when handling reagent.  
Non-Sterile.



Avian bone stained with the Calcium Von Kossa procedure (ScyTek item: CVK-1) showing complete decalcification.

**Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

**Storage/Safety:**


Room Temperature (18-25°)


**Precautions:**

Thoroughly rinse specimen with water when transferring to and from fixative and decalcification solution. Formalin and HCl can react to create a hazardous carcinogen. This solution presents several hazards – consult SDS before using.

**Procedure (Full specimens):**

1. Fix specimen per usual, including bone, and rinse thoroughly in water before decalcification.
2. Suspending specimen in solution will facilitate decalcification by allowing calcium salt to sink away from sample.
3. Incubate specimen for at least 1 hour or until completely decalcified based on specimen thickness and levels of calcification. Verification methods include x-ray and chemical end-point determination. Rinse thoroughly in water after decalcification and whenever returning specimen to formalin.

Storage: 18° C  25° C

 ScyTek Laboratories, Inc.  
205 South 600 West  
Logan, UT 84321  
U.S.A.

**CE**  
EC REP  
Emergo Europe  
Prinsessegracht 20  
2514 AP The Hague, The Netherlands

**Note:** Insufficient rinsing after decalcification may negatively impact any subsequent iron staining (Potassium Ferrocyanide/HCl).


4. Continue with tissue processing and cutting per usual. If specimen was not fully decalcified it may be surface decalcified (procedure below) while cutting to remove remaining calcification.


### Procedure (Surface Decal):

1. Course face the embedded tissue block to expose desired area of tissue
2. Place the tissue block face down in a small dish with Decal Quick Clear for 5-10 minutes with occasional agitation.
3. Rinse thoroughly in water and blot block dry

**Note:** Insufficient rinsing after decalcification may negatively impact any subsequent iron staining (Potassium Ferrocyanide/HCl).

4. Section block as usual. Surface decal only allows a few calcium-free sections to be obtained. To obtain additional sections repeat surface decal procedure.

Storage: 18° C  25° C



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