



American MasterTech  
scientific laboratory supplies

# MasterCal™

## Ready to Use Decalcification Solution

(Rev. 3/8/18)

### MasterCal™, The product and its purpose:

MasterCal™ is a hydrochloric acid based rapid bone decalcifier intended for In Vitro Diagnostic use only. MasterCal™ is recommended for general purpose decalcification, while maintaining excellent tissue, cellular, and nuclear detail when used with routine and special stains. Active ingredient: Hydrochloric Acid (<10%).

### MasterCal™, Instructions for use:

1. Completely fix specimen prior to decalcification.
2. Rinse fixed specimen in running tap water at least 10 minutes.
3. Immerse specimen in MasterCal™. To ensure adequate decalcification, specimens should be less than 1cm in thickness. Use 20 times the volume of MasterCal™ for each volume of specimen; periodically agitate the container to ensure complete exposure of the specimen.
4. Determine decalcification end point using standard methods, such as flexibility, resistance to probing, X-ray, or chemical analysis, using the MasterCal™ End Point Test Kit, (sold separately, see below).
5. If decalcification is incomplete, place specimen in a fresh change of MasterCal™ and repeat Steps 3 and 4 until specimen is completely decalcified.
6. Wash specimen in running tap water at least 10 minutes.
7. Process, embed and section specimen using standard procedures.

### MasterCal™, End point determination:

To determine the end point of decalcification, perform physical flexibility, resistance to probing, X-ray, or chemical analysis using the MasterCal™ End Point Test Kit, Item Number DCM1626.

### MasterCal™, Storage and Stability:

Store MasterCal™ at 15 - 30°C; it is stable under normal laboratory conditions. See product label for shelf life.

### MasterCal™, Precautions:

See Safety Data Sheet (SDS) for warnings and precautions.

### MasterCal™, Disposal:

Dispose MasterCal™ in accordance with all local, state, federal, environmental and/or EU regulations.

### CE MARKINGS AND DESIGNATIONS:

<b>REF</b>	Catalogue Number		Temperature Limitation		Manufacturer	American MasterTech Scientific 1330 Thurman St. Lodi, CA 95240 USA Tel 800 860 4073 Fax 209 368 4136
<b>LOT</b>	Batch Code		Use By	<b>EC REP</b>	Representative	Emergo Europe Prinsessegracht 20 2514 AP The Hague The Netherlands
<b>IVD</b>	In Vitro Diagnostic Medical Device		Consult Instructions Prior to Use		Irritant	<b>CE</b>

1. Carson, Freida L. *Histotechnology: A Self-instructional Text*. Chicago: ASCP, 2009. 46-49. Print.

2. Modifications by AMTS Research & Development

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