



American MasterTech  
scientific laboratory supplies

# MasterCal™ Plus

## Ready to Use Decalcification Solution

(Rev. 3/8/18)

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

**MasterCal™ Plus** is a more rapid decalcifier than original **MasterCal™** and is intended for In Vitro Diagnostic use only. This hydrochloric acid based decalcifier is designed for rapid decalcification, and provides excellent tissue, cellular, and nuclear detail when used with routine and special stains. Active ingredient: Hydrochloric Acid (<15%).

### MasterCal™ Plus, 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™ Plus**. To ensure adequate decalcification, specimens should be less than 1cm in thickness. Use 20 times the volume of **MasterCal™ Plus** 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™ Plus** 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™ Plus, 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™ Plus, Storage and Stability:

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








### MasterCal™ Plus, Precautions:

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

### MasterCal™ Plus, Disposal:

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

### pCE 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			
 GHS05	Corrosive	 GHS07	Irritant			

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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