



American MasterTech  
scientific laboratory supplies

# MasterCal™ IM Plus

## Ready to Use Decalcification Solution

(Rev. 3/8/18)

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

**MasterCal™ IM Plus** is more rapid than **MasterCal™ IM**, yet remains gentle bone decalcifier that does not destroy antigen binding sites. **MasterCal™ IM Plus** is intended for In Vitro Diagnostic use only. This formic acid based decalcifier can be used for routine and special stains, immunohistochemistry, and in-situ hybridization with minimum risk of over decalcification. Active ingredients: Formic Acid (<10%), and EDTA (<5%).

### MasterCal™ IM 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™ IM Plus**. To ensure adequate decalcification, specimens should be less than 1cm in thickness. Use 20 times the volume of **MasterCal™ IM 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™ IM 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™ IM Plus, End point determination:

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

### MasterCal™ IM Plus, Storage and Stability:

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

### MasterCal™ IM Plus, Precautions:

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

### MasterCal™ IM Plus, Disposal:

Dispose **MasterCal™ IM Plus** 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		Corrosive	<b>CE</b>
				GHS05		

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

2. Modifications by AMTS Research & Development

**Copyright © 2017-2018 American MasterTech Scientific. All rights reserved.**

No part of these pages may be used for any purpose other than personal use. Therefore, reproduction, modification, storage in a retrieval system or retransmission, in any form or by any means, for reasons other than personal use, is strictly prohibited without prior written permission.