



American MasterTech
scientific laboratory supplies

MasterCal™ IM

Ready to Use Decalcification Solution

(Rev. 3/8/18)

MasterCal™ IM, The product and its purpose:

MasterCal™ IM is a gentle bone decalcifier that does not destroy tissue antigen binding sites. **MasterCal™ IM** 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 ingredient: Formic Acid (<5%).

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

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







MasterCal™ IM, Precautions:

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

MasterCal™ IM, Disposal:

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

CE MARKINGS AND DESIGNATIONS:

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