



American MasterTech
scientific laboratory supplies

MasterCal™ FX

Ready to Use Decalcification Solution

(Rev. 3/8/18)

MasterCal™ FX, The product and its purpose:

MasterCal™ FX is a bone decalcifier that rapidly fixes and decalcifies fresh, unfixed specimens simultaneously.

MasterCal™ FX is intended for In Vitro Diagnostic use only. This formic acid based decalcifier and formalin fixative will not destroy antigen binding sites and can be used for routine and special stains, immunohistochemistry and in situ hybridization with minimum risk of over-decalcification. Active ingredients: Formic Acid (<15%), Formaldehyde (<5%) and EDTA (<5%).

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

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

MasterCal™ FX, Precautions:

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

MasterCal™ FX, Disposal:

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

CE MARKINGS AND DESIGNATIONS:

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

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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