



American MasterTech
scientific laboratory supplies

MasterCal™ NC

Ready to Use Decalcification Solution

(Rev. 3/8/18)

MasterCal™ NC, The product and its purpose:

MasterCal™ NC is a rapid bone decalcifier ideal for routine and special stains. MasterCal™ NC is intended for In Vitro Diagnostic use only. This Nitric Acid based decalcifier can be used for general purpose decalcification that maintains excellent tissue, cellular and nuclear detail when used with routine and special stains. Active ingredient: Nitric Acid (<5%)

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

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

MasterCal™ NC, Precautions:

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

MasterCal™ NC, Disposal:

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

CE MARKINGS AND DESIGNATIONS:

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|------------|------------------------------------|--|-----------------------------------|---------------|----------------|--|
| 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 | | Corrosive | CE |
| | | | | GHS05 | | |

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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