

Certificate of Analysis

Decalcifying Solution, Krajian, for Decalcification of Bones

Lot Number: 2404H84

Product Number: 2545

Manufacture Date: APR 24, 2024

Expiration Date: APR 2026

For In Vitro Diagnostic Use. May be suitable for other laboratory applications.

Decalcification is necessary before sections of bone or other calcified tissues can be prepared, because of the inability of most microtomes to cut calcified samples. Procedures for decalcification may be found in standard pathology and histology references. This Decalcifying Solution is to be used full strength. Completely fix the sample before decalcifying. Use a quantity of Decalcifying Solution approximately equal to 100 times the volume of the specimen. Trim specimens to between 0.2 and 0.5 cm. Thicker material should be trimmed as soon as the outer surface becomes soft enough to cut.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Formic Acid	64-18-6	ACS
Sodium Citrate Dihydrate	6132-04-3	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	5.8-6.0 N at 20°C	6.0 N at 20°C	84
Specific Gravity	1.115-1.119 at 25°C	1.119 at 25°C	

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2545-16	500 mL natural poly	24 months
2545-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Jose Pena (04/24/2024)
 Operations Manager

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