Template Provided By:

Cancer Imaging Program

National Cancer Institute

Reagent/Supply Specification Sheet

(Refer to GEN-M001)

Reagent/Supply: **^{18}O Water**

Storage Conditions: **Room Temperature** *(if applicable)*

Internal Tracking Code: SS-O18

MSDS On File? **Y N N/A** *(circle one)*

Suppliers:

Vendor	Address	Telephone Number	MSDS Available	Vendor Designation (If Needed)
ROTEM Industries LTD.	**Rotem Industrial Park PO Box 9046 Beer Sheva, Israel 84190**	972-8-6555980 (Fax) 972-8-6572701	N/A	A
Isonics Corporation	**6851 Oak Hall Lane Suite 119 Columbia, Maryland 21045**	1-410-381-5254 (Fax) 1-410-381-2129	N/A	B
Cambridge Isotope Laboratories, Inc.	**50 Frontage Road Andover, MA 01810-5413**	1-800-322-1174 (Fax) 1-978-749-2768	N/A	C
ISOTEC (Sigma-Aldrich)	**3858 Benner Road Miamisburg, OH 45342**	1-800-448-9760 (Fax) 1-937-859-4878	N/A	D
CNL Scientific Resources, Inc.	**795 Folsom Street San Francisco, CA 94107**	1-800-871-3075 (Fax) 1-415-461-8940	N/A	E

Ordering Information:

Vendor	Catalog Number	Description	Size/Units	Bulk Quantities	Certificate of Analysis Available
ROTEM	**Hyox^{18}**	**cGMP ^{18}O Enriched Normalized Water**	20, 25, & 50 mL	N/A	Yes
Isonics	**008-018-002**	**cGMP ^{18}O Water**	50 mL	N/A	Yes
Cambridge Isotope	**OLM-240-1**	**cGMP ^{18}O Water in Sterilize Glass Vials w/Teflon-lined septum top**	10 g, 30 g, 50 g	N/A	Yes
ISOTEC	**T88-70022 Aldrich (603090)**	**95% atom ^{18}O, normalized**	Prescored ampules	N/A	Yes
CNL Scientific	**^{18}O Water**	**^{18}O, 96% Enriched Water**	50 g	N/A	Yes

NCI Internal Specifications: For all non-USP reagents, the certificate of analysis will be compared with the listed internal specifications to ensure that the manufacturers are still testing the product consistently and utilizing the same standards to determine quality, purity, and identity of the reagents.

Parameter	Test Methodology	Specification
Isotopic Composition ^{18}O	Mass Spectrometry	≥ 80%
Appearance	Visual Inspection	Clear, colorless, and free of particulate matter

Regulatory Affairs Approval: _____ **Date:** _____

Signature

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