Template Provided By:

Cancer Imaging Program

National Cancer Institute

Reagent/Supply Specification Sheet

(Refer to GEN-M001)

Reagent/Supply: **Methanol, HPLC Grade** **Storage Conditions:** RmTemp.,Flammables *(if applicable)*

Internal Tracking Code: SS-MTH **MSDS On File? Y N N/A** *(circle one)*

Suppliers:

Vendor	Address	Telephone Number	MSDS Available	Vendor Designation (If Needed)
Sigma-Aldrich	**P.O. Box 2060 Milwaukee, WI 53201**	1-800-558-9160 (Fax) 1-800-962-9591	Yes	A
Mallinckrodt Baker, Inc.	**222 Red School Lane Phillipsburg, NJ 08865**	1-800-582-2537 (Fax) 1-908-859-6905	Yes (M2015)	B
Any Supplier of HPLC Grade Methanol that meets the specifications below.				

Ordering Information:

Vendor	Catalog Number	Description	Size/Units	Bulk Quantities	Certificate of Analysis Available
Sigma-Aldrich	**43,9193**	ACS HPLC, Chromasolv® Grade ≥ 99.93%	4 L	N/A	Yes
Mallinckrodt Baker, Inc.	**3041-X**	Methyl Alcohol, Anhydrous, ChromAR®	1 L, 4 L glass bottles	20 L	Yes

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
Appearance	Visual Inspection	Colorless Liquid
Purity	Gas Liquid Chromatography	99.8% (minimum)
Further Characterization	Titration	0.02% H_2O (maximum)
	Residue on Evaporation	0.0005% (maximum)
	Color Test	10 APHA (maximum)
	Solubility in H_2O	Passes Test
	Substances Darkened by H_2SO_4	Passes Test
	Substances Reducing Permanganate	Passes Test
	Titratable Acid	0.0003 MEQ/g (maximum)
	Titratable Base	0.0002 MEQ/g (maximum)

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

Signature

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