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Cancer Imaging Program

National Cancer Institute

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Reagent/Supply Specification Sheet

(Refer to GEN-M001)

Reagent/Supply: **Dimethylsulfoxide (DMSO)** **Storage Conditions:** Rm Temp., Flammables *(if applicable)*

Internal Tracking Code: SS-DMS **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 (D7120)**	B

Ordering Information:

Vendor	Catalog Number	Description	Size/Units	Bulk Quantities	Certificate of Analysis Available
Sigma-Aldrich	**27,685-5**	**Anhydrous DMSO ≥ 99.9%, Packaged under N_2.**	100 mL, 1 L, 2 L in Sure/Seal™ Bottles	N/A	Yes
Mallinckrodt Baker, Inc.	**9234-13**	**Low Water, Baker Bio-Analyzed**	4 L Glass Bottles	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
Appearance	Visual Inspection	Colorless Liquid/ Passes Test
Purity	Gas Liquid Chromatography	99.9% (minimum)
Residual H_20	Titration	0.025% H_20 (maximum) or 250 ppm
Residue After Evaporation	-------	0.0005% or 5 ppm (maximum)

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

Signature

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