

Adult Dosage Recommendations from Package Inserts and SNMMI Guidelines



Radiopharmaceutical	Manufacturer	Procedure	Package Insert Recommended Dose	SNMMI Procedure Guideline
Ceretec	GE	Brain Imaging	10-20mCi	15-30mCi
		WBC-labeling	7-25mCi	5-10mCi
DMSA	GE	Renal Imaging	2-6mCi	
DTPA	Draximage	Renal Imaging	3-5mCi	
		Brain Imaging	10-20mCi	15-20mCi
		Aerosol Lung Imaging:		25-35mCi 0.5-1.0mCi delivered to patient
		Ultravent	Pre Perf 30-60mCi Post Perf 50-90mCi	
		Ventiscan	30-40mCi 1-3mCi delivered to patient	
		Aerovent	40mCi	
Aerotech	Pre-Perf 15-30mCi Post-Perf 30-40mCi			
Gallium	Lantheus	Tumor Imaging	2-5 mCi	
	Covidien	Infection Imaging	2-5mCi	4-6mCi, max 9mCi in obese
HDP	Covidien	Bone Imaging	10-20mCi	20-30mCi
Hepatolite	Pharmalucence	Hepatobiliary Imaging	1-5mCi (non-jaundiced)	3-5mCi
			3-8mCi (bilirubin > 5mg/dl)	Suggests increasing administered activity
I-123	Covidien	Parathyroid Imaging		200-600uCi
		Thyroid Imaging	100-400uCi	200-600uCi
		Thyroid Cancer Imaging	100-400uCi	0.4-5mCi
		Thyroid uptake	100-400uCi	0.1-.03mCi
I-123 MIBG	GE	Pheochromocytoma and Neuroblastoma Imaging	10mCi	
I-131	Covidien DraxImage RadQual	Thyroid Imaging	0.05-0.1mCi	0.05-0.1mCi
		Thyroid Cancer Imaging	1mCi	1-5mCi
		Thyroid Uptake	0.005-0.015mCi	0.004-0.01mCi
		Hyperthyroidism Tx	4-10mCi	
		Thyroid Carcinoma Tx	100-150mCi	
		Post-operative ablation of normal tissue	50mCi	
In-111 DTPA	GE	Cisternography	500uCi	
In-111 WBC	GE	Infection Imaging	200-500uCi	300-500uCi, max 1mCi in obese
In-111 Octreoscan	Covidien	Neuroendocrine Tumor Imaging	Planar 3mCi	
			SPECT 6mCi	6mCi

Radiopharmaceutical	Manufacturer	Procedure	Package Insert Recommended Dose	SNMMI Procedure Guideline
MAA	Draximage	Lung Perfusion	1-4mCi	1-4mCi, reduced particle number may be required
Mag-3	Covidien	Renal Imaging	5-10mCi	
MDP	Bracco Drax GE Pharmalucence	Bone Imaging	10-20mCi	20-30mCi
Mebrofenin	Bracco Pharmalucence	Hepatobiliary Imaging	2-5mCi (non-jaundiced)	3-5mCi
			3-10mCi (bilirubin > 5mg/dl)	Suggests increasing administered activity
Myoview	GE	Cardiac Imaging	5-33mCi	40mCi Total one day 30mCi per day for two day
Neurolite	Lantheus	Brain Imaging	10-30mCi	15-30mCi
PYP	Pharmalucence Covidien	Bone Imaging	5-15mCi	
		Cardiac Imaging	10-15mCi	
		Blood Pool Imaging	15-20mCi	
Sestamibi	Covidien Draximage Lantheus (Cardiolite) Pharmalucence	Cardiac Imaging	10-30mCi	40mCi Total one day 30mCi per day for two day
		Parathyroid Imaging		20-30mCi
		Breast Imaging	20-30mCi	20-30mCi
Sodium Pertechnetate	Covidien Lantheus	Vesico-Ureteral Imaging	0.5-1mCi	
		Brain Imaging	10-20mCi	
		Thyroid Imaging	1-10mCi	2-10mCi
		Salivary Gland Imaging	1-5mCi	
		Placenta Localization	1-3mCi	
		Blood Pool Imaging	10-30mCi	15-30mCi
		Parathyroid Imaging		2-10mCi
Nasolacrimal Drainage System Imaging	0.1mCi MAX			
Sulfur Colloid	Pharmalucence	Liver/Spleen Imaging	1-8mCi	4-6mCi
		Bone Marrow Imaging	3-12mCi	8-10mCi
		Pulmonary Aspiration	0.3-0.5mCi	
		GE studies	0.15-0.3mCi	0.5-1.0mCi
Thallium	Covidien GE Lantheus	Cardiac Imaging	1-2mCi (Planar)	4mCi Total
			2-3mCi (SPECT)	
Ultratag	Covidien	RBC-labeling	10-20mCi	15-30mCi
Xe-133	Lantheus	Ventilation Imaging	2-30mCi	5-20mCi



All dose recommendations are based on adult patients. These recommendations were obtained from manufacturer supplied package inserts and the Society of Nuclear Medicine and Molecular Imaging Procedure Guidelines.

For Pediatric dosing guidelines, please refer to the article which appeared in the February 2011 *Journal of Nuclear Medicine* titled "Pediatric Radiopharmaceutical Administered Doses: 2010 American Consensus Guidelines".

The article is available online at www.snm.org as part of the SNMMI Guidelines.