

ANTECH Product Selector Guide

Substance to be measured	Form of material	Quantity (mass/activity range)	Container	Form of Material of Matrix	ANTECH Measuring Instrument		
Plutonium	Pu Bulk material	g-Kg	Can	Pu metal or Pu oxide	Large Sample Container	200/650	
	Pu in residues	g	Can	Pu metal/oxide in salt matrix	Large Sample Calorimeter	200/650	
					Can TGS	3610	
	Pu in small samples Pu standards inventory control	mg-g	Small can	Pu metal/oxide from sampling Pu standards	Small sample Calorimeter	601	
	Pu in waste	g-kg	200 litre drum		Waste matrix	Drum TGS	380
		mg-g	200 litre drum		Waste matrix	Neutron Multiplicity Drum Monitor	Series 2200
					FFnCS	4201	
Uranium	U Bulk material	Kg	Can/bag	U metal or U oxide	Large Sample High Sensitivity calorimeter	650	
	U Bulk material and U in waste	g	Can/bag	U metal or U oxide	Can TGS	3610	
		g-kg	Can/bag	U metal or U oxide	AWCC (active mode)	2342	
					Passive/Active Multiplicity Counter (active mode)	2348	
	U in waste	G	200 litre drum		Waste matrix	Drum TGS	3800
		mg-g	200 litre drum		Waste matrix	FFnCS	4201
Mixed oxide (MOX)	MOX in waste	mg-g	200 litre drum	Metal or oxide in waste matrix	Neutron Multiplicity Drum Monitor with Pu isotopics	2231	
					FFnCS	4201	
Fission Products	Content handled		Can	Heterogeneous matrix	Can TGS	3610	
			200/400 litre drum	Heterogeneous matrix	Drum TGS	3800	
Radionuclides	Radionuclides in waste		Can	Heterogeneous matrix	Can TGS	3610	
			200/400 litre drum	Heterogeneous matrix	Drum TGS	3800	
Tritium	Gas (adsorbed)	mg-g (Ci-kCi)	Getter bed containment	Absorbed onto uranium getter bed	Tritium Calorimeter	355/365	