

Table 1
Stopping Powers of Various Transducer Materials

Transducer Material	Thickness (cm)	Density (g/cm ³)	Z _{eff} *	Linear Attenuation Coefficient			
				μ (cm ⁻¹) by Photon Energy	140 keV	364 keV	511 keV
Air	1.0	0.0012	7.8		0.00017	0.00012	0.00010
Water	1.0	1.00	7.5		0.155	0.111	0.096
Thallium-activated sodium iodide	1.0	3.67	50		4.494	0.727	0.504
Bismuth germinate	1.0	7.13	74		12.950	1.650	0.920
Germanium	1.0	5.32	32		1.649	0.534	0.433
Cadmium telluride	1.0	6.20	50		5.084	0.818	0.563

*Effective atomic number.