

Material	Density (g/cm ³)	Z _{eff}	Ph.Abs.Coeff. at 511 keV (cm ⁻¹)	X ₀ (cm)	LY (Ph/MeV)	τ (ns)	λ (nm)	Bibliographic Reference number
Cross-luminescent materials are not determined								
Self-activated materials								
CsI	4.51	54	0.09	2.43	16800	10	310	35
CaI₂	3.96	51.1	0.65	2.29	86000	550	410	38
HgI₂	6.38	68.8	0.27	1.13	6000	2100	580	39
Doped materials								
NaI:Tl	3.67	50.8	0.058	2.56	43000	230	415	40
CsI:Tl	4.51	54	0.09	2.43	51800	1000	560	35
CsI:Na	4.51	54	0.09	2.43	38500	630	420	35
CaI₂:Eu	3.97	50.6	0.065	2.29	86000	790	470	38
LiI:Eu	4.08	4.08	0.073	2.73	12900	1400	470	22