

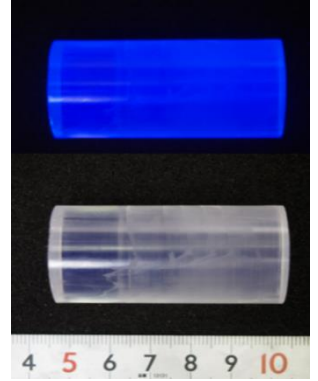
NEW

SrI₂

Key Scintillator Materials for Novel Radiation Detectors

Features

- ✓ High Light Output
- ✓ High Resolution
- ✓ Low Background



Applications

Ex. Radioactivity Measurement

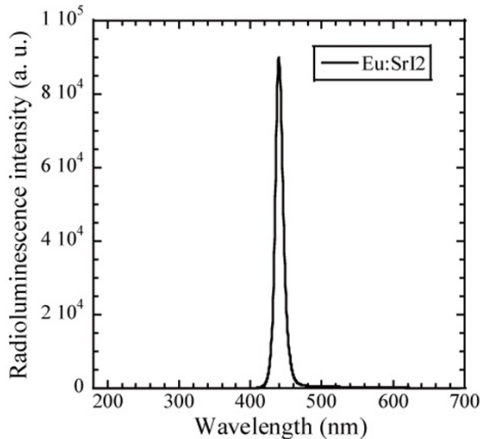


Properties

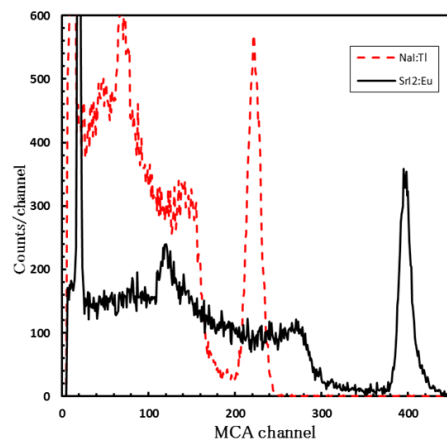
Comparison with Halide conventional crystals

	SrI₂	NaI	LaBr₃
Light Yield (Ph/MeV)	85,000	38,000	65,000
En. Res. w/PMT (% 662keV)	2.7	7	2.7
Emission Peak (nm)	415	380	435
Principal Decay (g/cm ³)	1200	230	17
Density (g/cm ³)	4.59	5.10	3.67
Z _{eff}	49	50	44

XRL



¹³⁷Cs Pulse Height Spectra



Proprietary Data on Oxide SrI₂ developed by Professor Yanagida, Nara Institute of Science and Technology

OXIDE**Oxide Corporation**[Contact for Custom Request](#)

1747-1 Makihara, Mukawa, Hokuto, Yamanashi 408-0302 JAPAN

Tel: +81-551-26-0022, Fax: +81-551-26-0033

Sales@opt-oxide.com, <http://www.opt-oxide.com>

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