

Materials List for:

# A Basic Positron Emission Tomography System Constructed to Locate a Radioactive Source in a Bi-dimensional Space

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URL: <https://www.jove.com/video/52272>

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## Materials

Name	Company	Catalog Number	Comments
Low threshold Discriminator	CAEN	N845	
Logic Units	Lecroy	365AL	
Time delay	CAEN	N108A	
Oscilloscope	Tektronic	TDS3014C	
Quad Scaler and preset counter	CAEN	N1145	
TDC	Lecroy	2228	
PMT's	Hamamatsu	H5783p	
Power Chasis	Lecroy	1403	
GPIB Interface	Lecroy	8901A	
NIM Power Supply	Lecroy	1002B	
CAMAC Crate	Borer-co	1902A	
Scintillator Crystals	Bicron	408	1 cm x 2 cm x 5 cm
Power Supply	Agilent	E3631	
Na 22 Radioactive Source			activity 2 µCi
Software LabView 7.1	National intruments		
lemo cables connectors			2 nsec, 3 nsec and 8 nsec
isolator film			