

Materials List for:

Determining if DNA Stained with a Cyanine Dye Can Be Digested with Restriction Enzymes

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URL: <https://www.jove.com/video/57141>

DOI: [doi:10.3791/57141](https://doi.org/10.3791/57141)

Materials

Name	Company	Catalog Number	Comments
Unmethylated lambda DNA	NEB	N3013S	
YOYO-1	ThermoFisher Scientific	Y3601	
TOTO-1	ThermoFisher Scientific	T3600	
POPO-1	ThermoFisher Scientific	P3580	
BOBO-1	ThermoFisher Scientific	B3582	
YOYO-3	ThermoFisher Scientific	Y3606	
TOTO-3	ThermoFisher Scientific	T3604	
POPO-3	ThermoFisher Scientific	P3584	
BamHI	NEB	R0136S	
PmlI	NEB	R0532S	
Scal	NEB	R3122S	
EcoRI	NEB	R0101S	
HindIII	NEB	R0104S	
SmaI	NEB	R0141S	
Tris	Fisher	BP152-1	Irritant
EDTA	Fisher	S316-212	Toxic
HCl	Fisher	S25358	Corrosive and irritant
Buffer 1	NEB	B7201S	NEB 1.1
Buffer 2	NEB	B7202S	NEB 2.1
Buffer 3	NEB	B7204S	NEB Cutsmart
High gelling temperature agarose gel	Lonza	50041	
Acetic Acid	Fisher	S25118	Hazardous
Blue light transilluminator	Dark Reader	DR196	Wear correct eyewear
Ethidium bromide	Fisher	15585011	Carcinogen; other alternatives are Nancy 520, Gel red, etc.
Cannon EOS Rebel T3I camera	Cannon		
Apogee Model H4	Biorad	1704510	
Power Pac Basic Power Supply	Biorad	1645050	
Ficoll	Fisher Scientific	BP525-25	
Bromophenol blue	Fisher Scientific	B-392	
Xylene Cyanol	Eastmen	T1579	