



Application Bulletin

UVP-AB-116

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ULTRAVIOLET SHADOWING OF NUCLEIC ACIDS ON ACRYLAMIDE AND AGAROSE GELS

APPLICATION:	Ultraviolet shadowing of nucleic acids on acrylamide and agarose gels.
WAVELENGTH USED:	Shortwave 254 nm ultraviolet
FIELD OF USE:	Biotechnology research
PROCEDURE:	Place saran wrap on TLC plate or similar fluorescent screen. Lay unstained gel on saran wrap and shine short wave UV down onto it. The nucleic acid will absorb the UV and appear as shadowed bands against the fluorescent background.
PRIMARY ADVANTAGES OF THIS METHOD:	Staining of the gel is unnecessary. This reduces preparation time by up to two hours and eliminates detrimental interactions between nucleic acids and stain materials.
PRIMARY DISADVANTAGES:	Relatively large quantities of nucleic acids needed.
RECOMMENDED LAMPS:	UVG-54, UVGL-58, UVG-11