

SequaGel[®] MD



- For the Detection of Minor Mutational Differences
- Point Mutation Analysis
- SSCP Analysis
- Heteroduplex Analysis

SequaGel MD permits minor mutational differences in DNA sequences to be detected as a high resolution relative mobility (R_f) shift. SequaGel MD is a proprietary formulation, supplied as a 2X stock, designed to resolve sequence related differences by SSCP (Single Strand Conformational Polymorphism) and Heteroduplex Analysis. For a detailed discussion of these techniques, please see page 56 in the Electrophoresis Applications section of this catalog.

APPLICATIONS

Heteroduplex analysis 56 SSCP analysis..... 57

Product Name	Cat. No.	Size
SequaGel MD Monomer Solution	EC-845	200 ml (1-3) 200 ml (4+)
SequaGel MD Heteroduplex Kit <small>SequaGel MD Monomer Solution (200ml) Triple Dye Loading Buffer (1.2ml)</small>	EC-847	1 Kit
SequaGel MD SSCP Kit <small>SequaGel MD Monomer Solution (200ml) SSCP Stop Solution (1.2ml)</small>	EC-846	1 Kit
Triple Dye Loading Buffer (6X)	EC-855	1.2 ml
SequaGel MD SSCP Stop Solution	EC-848	1.2 ml

SequaGel[®] XR



- Extended Range Gel Solution for DNA Electrophoresis
- Higher Resolution
- Ideal for LICOR Sequencers
- Available as a Premixed 2 Bottle Kit or Concentrate

National Diagnostics' SequaGel XR is specially formulated to produce greater resolution and longer read lengths. SequaGel XR's optimized, proprietary formulation prevents aberrant band inversions and yields sharp, clear, highly resolved bands. SequaGel XR provides more information by allowing greater separation between bands near the top of the gel. This effect, similar to a wedge gel, is achieved with standard spacers. SequaGel XR is shipped as a two component system consisting of the SequaGel XR Monomer Solution and UreaGel Complete Buffer. UreaGel Complete Buffer Solution contains TBE and TEMED. No dilutions are necessary in this easy to use system. The researcher simply combines the two solutions, adds ammonium persulfate, and casts the gel. SequaGel XR is also available in the form of a 50% stock solution, SequaGel XR Concentrate.

APPLICATIONS

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Product Name	Cat. No.	Size
SequaGel XR	EC-842	450 ml 1 Liter (1-3) 1 Liter (4 +)
SequaGel XR Concentrate	EC-843	100 ml 450 ml (1-3) 450 ml (4 +)