

SequaGel®
UreaGel™ Sequencing System



- Casts 19:1 Denaturing Gels up to 20% Monomer
- DNase & RNase Free
- Consistently Crystal Clear Gels
- Twelve Month Shelf Life at Room Temperature

The UreaGel Sequencing System consists of UreaGel Concentrate, UreaGel Diluent, and UreaGel Buffer. This system provides a convenient, dependable means for researchers to prepare gels of varying percentage. With the UreaGel Sequencing System the researcher readily prepares any commonly used gel formulation up to 20% monomer (19:1 Acrylamide/Bisacrylamide). Liter bottles of UreaGel Concentrate contain 237.5 grams of acrylamide, 12.5 grams of methylene bisacrylamide, and 7.5M urea in a deionized aqueous solution. UreaGel Diluent is supplied in 450 ml and 1 liter bottles containing 7.5M urea in deionized water. UreaGel Buffer is supplied in 100 ml and 200 ml bottles containing 0.89M Tris-Borate-20mM EDTA buffer pH 8.3 (10X TBE) and 7.5M urea.

Storage: UreaGel Concentrate, UreaGel Diluent, and UreaGel Buffer are stable for one year when stored tightly capped, in a dark area at room temperature (20°C).

APPLICATIONS

Denaturing PAGE - DNA/RNA .. 41	Differential display46
Gel preparation:	DNase I footprinting 49
Denaturing DNA gels41	RNA mapping 47
Sequencing:	S-1 mapping.....47
Sanger method 44	Ribonuclease protection 48
Maxam & Gilbert 43	Uracil interference 51
Automated sequencers45	Methylation interference 51

Product Name	Cat. No.	Size
UreaGel Sequencing System*	EC-833	1 Liter Kit 2.2 Liter Kits (1-3) 2.2 Liter Kits (4 +)
*Includes UreaGel Diluent, Concentrate, and Buffer		
UreaGel Diluent	EC-840	450 ml 1 Liter (1-3) 1 Liter (4 +)
UreaGel Concentrate	EC-830	450 ml 1 Liter (1-3) 1 Liter (4 +)
UreaGel Buffer	EC-835	100 ml 200 ml (1-3) 200 ml (4 +)

TANK BUFFER		
Product Name	Cat. No.	Size
TBE 10X [pg 17]	EC-860	1 Liter 4 Liters (1-3) 4 Liters (4 +)

ULTRA-PURE INITIATORS		
Product Name	Cat. No.	Size
Ammonium Persulfate [pg 28]	EC-504	25 grams 100 grams
TEMED [pg 29]	EC-503	25 ml

Online:
www.nationaldiagnostics.com