



Specification

Acrylamide solution (40 %) - Mix 19 : 1 for molecular biology

A3658

Physical Description:	Liquid
Product Code:	A3658
Product Name:	Acrylamide solution (40 %) - Mix 19 : 1 for molecular biology
Short Description:	additional product description: Aqueous solutions
Specifications:	<p>DNases/RNases/Proteases: not detectable</p> <p>Acrylic Acid (titr.): max. 0.001 %</p> <p>Composition:</p> <p>Acrylamide: 380.0 g/L</p> <p>Bisacrylamide: 20.0 g/L</p>
Hazard pictograms	 
UN:	3426
Class/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
Storage:	RT
Signal Word:	Danger
GHS Symbols:	<p>GHS06</p> <p>GHS08</p>
H Phrases:	H301

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	H312+H332 H315 H317 H319 H340 H350 H361f H372
P Phrases:	P201 P280 P302+P352 P305+P351+P338
CS:	38220000
Index Nr.:	616-003-00-0
Comment	For the separation of oligonucleotides with a small number of bases, acrylamide gels with a small pore size are used. The pore size is determined by the total concentration of acrylamide and the ratio of acrylamide \: bisacrylamide. For the sequencing of nucleic acids a ratio of acrylamide \: bisacrylamide of 19 \: 1 is used. Caution \: Acrylamide is a potent neurotoxin and absorbed through the skin. The effects of acrylamide are cumulative. Although polyacrylamide is suspected to be nontoxic, it should be handled with great care because of the possibility that it might contain small quantities of unpolymerized acrylamide.
Bibliography	(1)Peacock, A.C. & Dingman, C.W. (1967) <i>Biochemistry</i> 7 , 668-674Molecular weight estimation and separation of ribonucleic acid by electrophoresis in agarose-acrylamide composite gels. (2)Ambrose, B.J.B. & Pless, R.C. (1987) <i>Methods Enzymol.</i> 152 , 522-538DNA sequencing\: Chemical methods. (3)Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) <i>Molecular Cloning\: A Laboratory Manual</i> , 2nd Edition. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York. (4)Ausubel, F.A., Brent, R., Kingston, R.E., Moore, D.D., Seidman, J.G., Smith, J.A. & Struhl, K. (eds.) (1995) <i>Current Protocols in Molecular Biology</i> . Greene Publishing & Wiley-Interscience, New York.

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