


Specification

Spermidine BioChemica

A0674

Physical Description:	Liquid
Product Code:	A0674
Product Name:	Spermidine BioChemica
Specifications:	Assay (titr.): min. 99 % pH (1 M; H ₂ O; 20°C): 11.0 - 13.0 Spermine: max. 0.2 % Water: max. 1 %
Hazard pictograms	
UN:	3259
Class/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
Storage:	2-8°C
Signal Word:	Danger
GHS Symbols:	GHS05
H Phrases:	H314
P Phrases:	P280 P305+P351+P338

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Specification

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	P313
Molecular Formula:	C ₇ H ₁₉ N ₃
M:	145.25 g/mol
CAS:	124-20-9
EINECS:	204-689-0
CS:	29212900
Comment Spermidine belongs to the polyamines. They are used for the isolation of chromosomes as they are stabilizing the DNA , acting as the positive counter ion. Spermidine is probably responsible for the high density condensation in the phages head.	
Bibliography (1)Blumenthal, A.B. <i>et al.</i> (1979) <i>J. Cell Biol.</i> 81 , 255-259Rapid isolation of Metaphase chromosomes containing high molecular weight DNA. (2)Hoopes, B. & McClure, W. (1981) <i>Nucleic Acids Res.</i> 9 , 5493-5504Studies on the selectivity of DNA precipitation by spermine. (3)Tabor, C.W. & Tabor, H. (1984) <i>Ann. Rev. Biochem.</i> 53 , 749-790Review article\ Polyamines. (4)Cram, L.S. <i>et al.</i> (1990) <i>Methods Cell Biol.</i> 33 , 377-382Polyamine buffer for bivariate human flow cytogenetic analysis and sorting.	

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