

Specification

DNA Isolation reagent for genomic DNA

A3418

Product Code:	A3418
Product Name:	DNA Isolation reagent for genomic DNA
Specifications:	<ul style="list-style-type: none"> • Phenol-free solution for the rapid isolation of genomic DNA • from samples of human, animal (incl. mouse tail), plant, yeast, bacterial and viral origin
Hazard pictograms	
WGK:	1
Storage:	RT
Signal Word:	Attention
GHS Symbols:	GHS07
H Phrases:	EUH032 H302+H312+H332
P Phrases:	P262
CS:	38220000
Comment	<p>The <i>Genomic DNA Isolation Reagent</i> is a non-organic and <i>ready-to-use</i> reagent for the isolation of genomic DNA from human, animal (incl. mouse tail), plant, yeast, bacterial and viral origin. It is an improved version of the Chomczynski method (1), which is based on disruption of cells in a guanidinium-detergent lysing solution that hydrolyzes RNA and allows the selective precipitation of DNA from a cell lysate with ethanol. Following an ethanol wash, DNA is solubilized in water or 8 mM NaOH. There is no phenol in the <i>Genomic DNA Isolation Reagent</i>. The protocol is fast and permits isolation of genomic DNA from a large number of samples of small or large volumes. The procedure can be completed in 10 - 30 minutes with DNA recovery of 70 - 100 %. The isolated DNA can be used, without additional purification, for Southern-analysis, dot blot hybridization, molecular cloning, RFLP, PCR and other molecular biology and biotechnology applications. A detailed application protocol is included.</p>

AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

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Bibliography

(1)Chomczynski, P. & Sacchi, N. (1987) *Anal. Biochem.* **162**, 156-159Single-step method of RNA isolation by "AGPC" extraction.

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Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340