

Certificate of Analysis

#SD0732 Plasmid p2CMVmL12 DNA (0.22µm filtrated in water)

Lot No: P06-12

Lot size: 114ml of product solution
361mg of plasmid DNA

Manufacturer Fermentas UAB, Vilnius, Lithuania
Date of manufacture 09.02.06.

TEST	METHOD	SPECIFICATION	RESULT
Plasmid DNA concentration	Photometric, 260nm	>3.0mg/ml	3.17mg/ml
Plasmid DNA purity	Photometric, A_{260nm}/A_{280nm}	1.80-1.95	1.92
Content of closed circular supercoiled DNA	Scanning of nicked forms of plasmid DNA in 1% Agarose gel	>90%	94%
Content of genomic <i>E.coli</i> DNA	Real time PCR, Hybridization probes: Fluorescein/LC-Red 640, LightCycler, ROCHE	<1%	<0.89%
Content of <i>E.coli</i> RNA	1% Agarose gel (EtBr RNA gel staining)	Not detectable on agarose gel	Not detectable
	1% Agarose gel (SYBR Green II RNA gel staining)	Not detectable on agarose gel	Not detectable
Content of endotoxins	LAL test, „Gel-Clot“ metod, Charles River, Lot No: V4402S	<100EU/mg	<100EU/mg
Content of <i>E.coli</i> proteins	Imunodetection, sandwich ELISA	<100ng/mg	<271pg/mg (<DL)
Identity	Restriction digestion analysis with several RE	Conforms to specified fragments length and conforms to digest of reference plasmid	Conforms to specified fragments length See data Appendix No 1
Bioburden	CASO agar plate, 24 hours at 35°C and 5 days at room temperature	<5cfu/ml	0cfu/ml
Fragment sequence	Automated sequencing	Conforms to specified	See data Appendix No 2

Storage: stable at -20°C.

This lot was released on 09.02.06. by Nucleic Acid Standard Laboratory.

Quality authorized by:

Jurgita Žilinskiene

Appendix No1

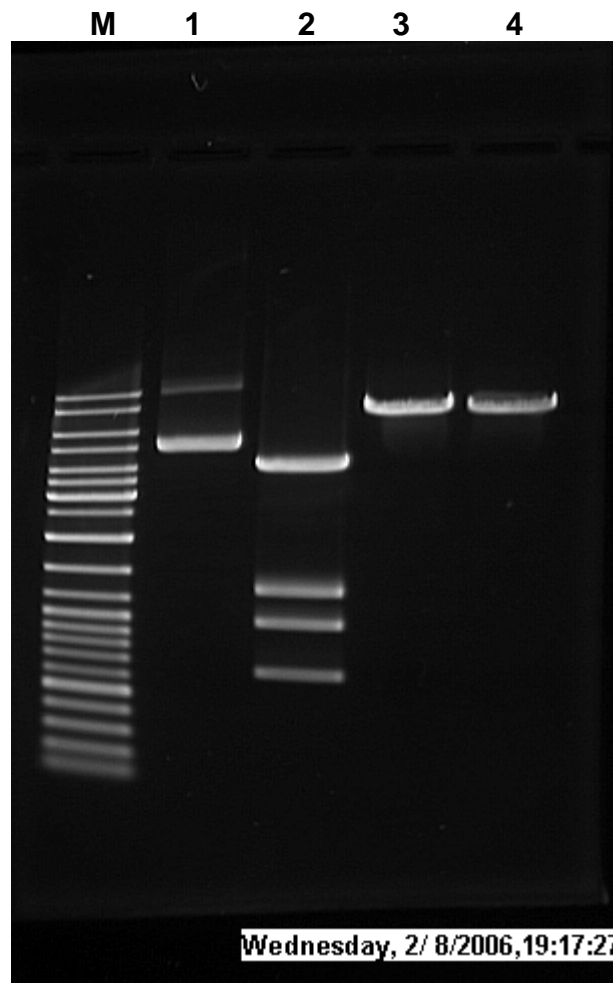


Fig 1. Restriction analysis of p2CMVmIL-12.

Lane **M** – Fermentas' GeneRuler™ DNA Ladder Mix,

Lane **1** – 0.5µg of purified p2CMVmIL-12,

Lane **2** – DNA/EcoRI+XmaI µg/5U of each, Fermentas' 2X Buffer Tango™,

Lane **3** – DNA/BamHI, µg/5U, Fermentas' Buffer G,

Lane **4** – DNA/BglII µg/5U, Fermentas' Buffer O.

Appendix No2

p2CMVmIL-12 I FRAGMENT SEQUENCED: 1005-1755bp

tcaattacagctctaaggctagagtacttaatacgactcactataggctagcctcgagaattctatgtgtcaatcacgctacctcctcttttggccacc
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p2CMVmIL-12 II FRAGMENT SEQUENCED: 2982-4092 BP

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