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Certificate of Analysis

Product: RPM® Kit, 300 preps
Catalog No.: 2070-500
Lot No.: 70533

The RPM® Kit is designed for rapid isolation and purification of double-stranded plasmid DNA from bacterial cultures. The process yields pure plasmid DNA that is suitable for enzymatic manipulations including DNA sequencing, restriction enzyme digestion, in vitro transcription and PCR.

STORAGE CONDITIONS

All RPM® Kits are shipped at ambient temperature. Expiration date is September, 2016. Store all reagents at room temperature.

OPTIMAL REACTION PARAMETERS

From	1	kb	to	20	kb.

SPECIFICATIONS

Reagent: Pre-Lysis Buffer		Pre-Lysis Buffer	
pH Range: 6.6-7.0		Cat #:	2070-501
Removed RNA from the culture and made the cells homogenous.		Lot #:	63999 **Passed**
Reagent: Alkaline Lysis Solution		Alkaline Lysis Solution	
pH Range: 12.6-12.8		Cat #:	2070-502
The cells were homogeneously lysed.		Lot #:	69511 **Passed**
Reagent: Neutralizing Solution		Neutralizing Solution	
pH Range: 5.5-5.9		Cat #:	2070-503
A white precipitate formed: this consisted of cell membranes, proteins and chromosomal DNA.		Lot #:	27815 **Passed**
Reagent: GLASSMILK Spin Buffer		GLASSMILK Spin Buffer	
The plasmid DNA immediately bound to the suspended silica matrix.		Cat #:	2070-504
		Lot #:	41243 **Passed**
Reagent: Wash Solution		Wash Solution	
pH Range: 7.4-7.7		Cat #:	2070-505
During spinning the Wash Solution was pulled through the Spin Filter, washing away any proteins, RNA and other impurities.		Lot #:	27635 **Passed**

REAGENT **PERFORMANCE**

All reagents are stable at room temperature.

In order to pass quality control tests:
The yield of the plasmid DNA obtained using the new reagents must be at least 10ug/1.5 ml sample and within 10% of the yield of the standard lot test.

06/09/2015 - John Huang, PhD
QBioGene/MP Biomedicals, LLC
Senior QC Chemist

MSDS available online at www.mpbio.com