

Certificate of Analysis

Product: RPM® Kit, 300 preps
Catalog No.: 2070-500
Lot No.: 48016

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 August, 2015. 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 Lot #: 40767
the cells homogenous. **Passed**

Reagent: Alkaline Lysis Solution Alkaline Lysis Solution
pH Range: 12.6-12.8 Cat #: 2070-502
The cells were homogeneously lysed. Lot #: 40937
Passed

Reagent: Neutralizing Solution Neutralizing Solution
pH Range: 5.5-5.9 Cat #: 2070-503
A white precipitate formed: this Lot #: 27815
consisted of cell membranes, proteins and **Passed**
chromosomal DNA.

Reagent: GLASSMILK Spin Buffer GLASSMILK Spin Buffer
The plasmid DNA immediately bound to Cat #: 2070-504
the suspended silica matrix. Lot #: 41243
Passed

Reagent: Wash Solution Wash Solution
pH Range: 7.4-7.7 Cat #: 2070-505
During spinning the Wash Solution was Lot #: 27635
pulled through the Spin Filter, washing away **Passed**
any proteins, RNA and other impurities.

REAGENT

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.

PERFORMANCE

Christina Marotta

01/21/2014 - Christina Marotta
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MSDS available online at www.mpbio.com