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Lampiran 2. Certificate of Analysis dNTPs

Certificate of Analysis

dNTP Mix:
Part No.: 0151A
0151B

Size:
250g
1.00kg

Description: dNTP Mix is a premixed solution containing the sodium salts of dATP, dCTP, dGTP and dTTP each at a concentration of 10mM in water. The total concentration of nucleotides, therefore, is 40mM (pH 7.5). Addition of 1µl of dNTP Mix to a 50µl reaction will give a final concentration of 200µM for each dNTP.

Storage Conditions: See the Product Information Label for storage recommendations. Avoid exposure to frequent temperature changes. Mix well prior to use.

Usage Note: Concentration (density) may vary in frozen products and should be determined upon thawing. Mix well prior to use.

Quality Control Assays

Activity Assays

DHase and RNase Assay: To test for nucleic acidase, 50ng of dHase or 50ng of RNase is incubated with 5µl of dNTP for 2 hours at 37°C in 1X AMBICORE™ buffer (Cat #8999). The release of nucleotides is measured by liquid scintillation counting of TCA-soluble material. The specification is <5% release.

Functional Assay: dNTPs are tested using the polymerase chain reaction (PCR) to amplify a 360bp region of the *α-1*-antitrypsin gene. The amplification product is detected on a single 360bp band following agarose gel electrophoresis and ethidium bromide staining.

Physical Purity: The individual dNTPs contained in the dNTP Mix each contain >95.0% triphosphate as measured by HPLC.

Promega Corporation

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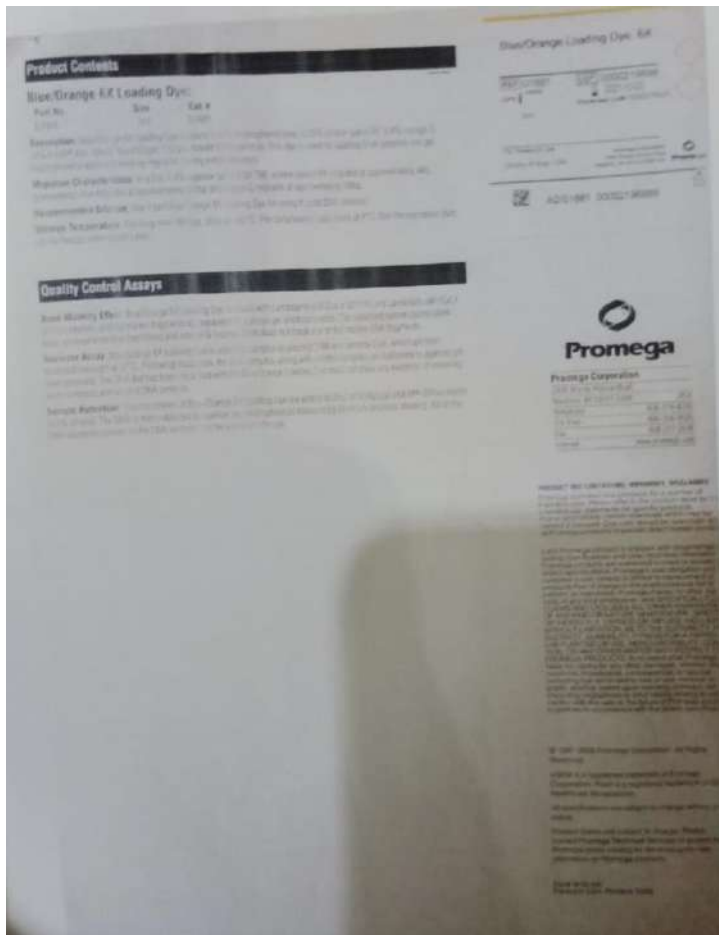
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Printed 10/01/01
Printed in USA. Revised 03/01

Signed by: *J. Stevens*
J. Stevens, Quality Assurance



Certificate of Analysis

Diamond™ Nucleic Acid Dye

Cat.# H1181

Lot# 0000235256

Includes:
Part#
H1181A

Name
Diamond™ Nucleic Acid Dye

Size
0.04g

Instructions for use of this product can be found in the Diamond™ Nucleic Acid Dye Technical Manual #TM088, available online at: www.promega.com/protncola

Description: Diamond™ Nucleic Acid Dye is a fluorescent dye that binds to single- and double-stranded DNA and RNA and can be used to visualize nucleic acids in gels.

Concentration: 10,000x in DMSO

Storage Conditions: Store at -20°C to -10°C long term. Product may also be stored at -22°C to -25°C for up to 90 days. Protect from light at all times.

Usage Note: Although freshly prepared dye will give best results, dye can be stored at room temperature, in a plastic container, for up to three days.

Expiration Date: See product label for expiration date.

Quality Control Assays

This lot passes the following Quality Control specifications:

- Fluorescence (490nm to 435nm) ≥25%
- Conforms to structure by HPLC
- Acetone insoluble: 495 + 10%

Signed by: *[Signature]*
R. Williams, Quality Assurance

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PRODUCT AND COMPANY INFORMATION

Promega Corporation is a leading provider of life science research products. Our products are designed to support a wide range of research applications. Promega Corporation is a leading provider of life science research products. Our products are designed to support a wide range of research applications.

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Diamond™ Nucleic Acid Dye

Description

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Lampiran 5. Surat Penegasan *Propionibacterium acnes*

Laboratorium Mikrobiologi

Sekolah Farmasi ITB

Nama Bakteri : *P.acnes*

Hasil Pengujian yang telah dilakukan :

NO	PENGUJIAN	LITERATUR	HASIL UJI
1	Mikroskopik	Coccus Gram (+) atau Basil Gram (+)	Coccus Gram (+) dan Basil Gram (+)
2	Katalase	(-)	(-)
3	Methyl Red	(+)	(+)
4	Glukosa	(+)	(+)
5	Sukrosa	(-) atau (+)	(-)
6	Laktosa	(-)	(-)
7	Fruktosa	(+) atau (-)	(+)
8	Sorbitol	(-) atau (+)	(+)
9	Mannosa	(+) atau (-)	(+)

Keterangan :

Pengujian berdasarkan pada Bergey's Manual of Determinative Bacteriology

Penguji



Analisis Lab. Mikrobiologi SF-JTB

Lampiran 6. Certificate of Analysis Primer

Hummingbird Genomics
macrogen

Heince Santoso
Rukan Mutiara Taman Palem Blok E3 No.9 Cengkareng Jakarta
Rukan Mutiara Taman Palem Blok E3 No.9 Cengkareng Jakarta
11730

OG190306 - 217
Order date : 2019/03/06
Packing date : 2019/03/07
Page : 9/10

Oligo	recAPAF					
SEQ	5' - CGT GTC AAG GTT GCC AAG AA - 3' (20mer)					
GC%	MW		Yield		scale (umoles)	Tm(c)
	calculated	measured	OD	nmol		
50.0	6166.0	6126.0	6.9	30.0	0.05	58.4
vol. for 100pmol/ul		Purification		Modification		
300.0		MOPC				



Oligo	recAPAR					
SEQ	5' - CGT GAC CCA ACT GCT CAT TG - 3' (20mer)					
GC%	MW		Yield		scale (umoles)	Tm(c)
	calculated	measured	OD	nmol		
55.0	6013.0	6042.0	6.1	30.0	0.05	60.5
vol. for 100pmol/ul		Purification		Modification		
300.0		MOPC				



Lampiran 7. Alat-Alat yang Digunakan Pada Penelitian



Autoklaf



Inkubator Microsentrifuge



PCR
(Thermo Scientific)



Elektroforesis
(Mupid)



Blue Light (Maestro) &
Gel Dokumentasi (Accuris)

Lampiran 8. Sampel Penelitian



Keterangan :

1 = ADT (Salon “A”)

2 = MPC (Salon “B”)

3 = WRD (Salon “A”)

4 = KRY 1 (Salon “C”)

5 = KRY 2 (Salon “D”)

Lampiran 9. Protokol Isolasi DNA (Wizard® Genomic DNA Purification Kit)

Wizard® Genomic DNA Purification Kit

INSTRUCTIONS FOR USE OF PRODUCTS A1120, A1123, A1125 AND A1620.

**Quick
PROTOCOL**

Isolation of Genomic DNA from Gram Positive and Gram Negative Bacteria

Pellet Cells

Centrifuge 1ml of overnight culture for 2 minutes at $13,000\text{--}16,000 \times g$. Discard the supernatant.

A. For Gram Positive Bacteria

1. Suspend cells in 480µl 50mM EDTA.
2. Add lytic enzyme(s) (120µl) (lysozyme and/or lysostaphin).
3. Incubate at 37°C for 30–60 minutes.
4. Centrifuge for 2 minutes at $13,000\text{--}16,000 \times g$ and remove supernatant.
5. Go to Step 1, **Lyse Cells** (below).

B. For Gram Negative Bacteria

Go to Step 1, **Lyse Cells** (below).

Lyse Cells

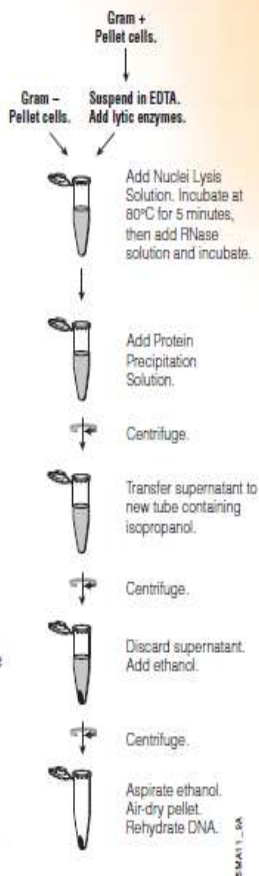
1. Add 600µl Nuclei Lysis Solution. Pipet gently to mix.
2. Incubate for 5 minutes at 80°C, then cool to room temperature.
3. Add 3µl of RNase Solution. Mix, incubate at 37°C for 15–60 minutes, then cool to room temperature.

Protein Precipitation

4. Add 200µl of Protein Precipitation Solution. Vortex.
5. Incubate on ice for 5 minutes.
6. Centrifuge at $13,000\text{--}16,000 \times g$ for 3 minutes.

DNA Precipitation and Rehydration

7. Transfer the supernatant to a clean tube containing 600µl of room temperature isopropanol. Mix.
8. Centrifuge as in "Pellet Cells" above, and decant the supernatant.
9. Add 600µl of room temperature 70% ethanol. Mix.
10. Centrifuge for 2 minutes at $13,000\text{--}16,000 \times g$.
11. Aspirate the ethanol and air-dry the pellet for 10–15 minutes.
12. Rehydrate the DNA pellet in 100µl of Rehydration Solution for 1 hour at 65°C or overnight at 4°C.



Lampiran 10. Dokumentasi



Subkultur kontrol positif di LAF



Proses penambahan reagen pada proses isolasi



Pembuatan agarose



Proses elektroforesis