

# Quick Guide

Beyond the PCR technology, BIOFACT promises the progress for your research.



## gel-rose™ Agarose

[Cat. No. AG113-100, AG113-500]

Contents	AG113-100	AG113-500
gel-rose™ Agarose	100 g	250 g X 2 ea

### Discription

gel-rose™ Agarose는 100 bp-23,000 bp size의 일반적인 nucleic acid 단편을 electrophoresis system으로 확인하는데 최적화 된 제품으로 DNA 혹은 RNA 회수도 가능한 grade입니다. 또한, 높은 순도와 투영도를 가지고 있어 정확도 높은 전기영동이 가능합니다.  
gel-rose™ Agarose는 DNase 혹은 RNase activity를 가지지 않습니다.

### 제품 특징 (Feature)

- Gel Strength (1 %) ----- > 1,200 g/cm<sup>2</sup>
- Gelling temperature (1.5 %) ----- 36°C ± 1.5°C
- Melting temperature (1.5 %) ----- 90°C
- EEO ----- max. 0.13
- Sulfate ----- < 0.15 %
- DNase, RNase free / Molecular Biology grade

### Application

- DNA, RNA의 전기영동분석
- DNA, RNA의 Northern, Southern blotting
- 면역관련 전기영동

### Tip. Suggested Agarose Concentrations

Size Range (Base Pairs)	Final agarose contraction (%)	
	1X TAE Buffer	1X TBE Buffer
1,000 - 23,000	0.60	0.50
800 - 10,000	0.80	0.70
400 - 8,000	1.00	0.85
300 - 7,000	1.20	1.00
200 - 4,000	1.50	1.25
100 - 3,000	2.00	1.75

### Tip. Dye Mobility Table

1X TAE Buffer		Agarose (%)	1X TBE Buffer	
Xylene cyanol	Bromophenol Blue		Xylene cyanol	Bromophenol Blue
24,800	2,900	0.30	19,400	2,850
11,000	1,650	0.50	12,000	1,350
10,200	1,000	0.75	9,200	720
6,100	500	1.00	6,400	400
3,560	370	1.25	2,500	260
2,800	300	1.50	1,800	200
1,800	200	1.75	1,100	110
1,300	150	2.00	850	70

### Storage Temperature

25 ± 10°C (Room temperature)



Please contact us, if you have any question and need help.  
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## Related Products

### Reagent



EcoDye™  
Nucleic Acid Staining Solution  
[Cat. No. ES301-1000]

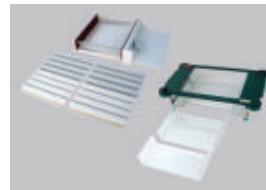


BioFACT™  
1 Kb plus DNA Ladder  
[Cat. No. SM354-500]

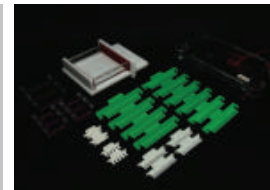


BioFACT™  
100 bp plus DNA Ladder  
[Cat. No. SM342-500]

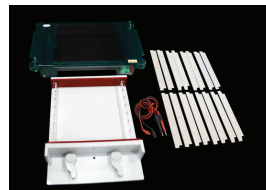
### Electrophoresis System & Power Supply



Electrophoresis Kit Large II  
[Cat. No. GSA-GT]



Electrophoresis Kit Midi II  
[Cat. No. GSA-FT]



Electrophoresis Kit Large III  
[Cat. No. GSA-HT]



PS-300HC  
Universal Power Supply  
[Cat. No. PS-300HC]



PS-600HC  
Universal Power Supply  
[Cat. No. PS-600HC]

