

Medium for Bacteria, Plusgrow II

Plusgrow II is high performance medium for bacteria that offers easy procedures for weighing, dissolving and autoclave treatments.

- » Higher fungus density than conventional products
- » High plasmid collection

Comparison with Conventional Products

Bacteria growth test

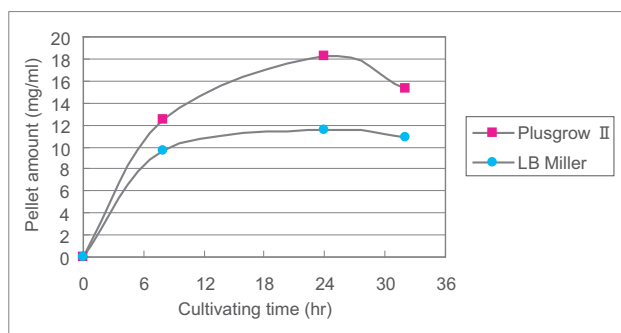


Figure 1. Bacteria growth curve

E. coli is first cultivated in ampicillin (50 µg/ml) then added to the medium at 37°C and shaken. Then culture fluid is then centrifugally processed. Bacteria levels can then be evaluated by pellet amounts.

E. coli cell line: JM109
Plasmid: pGEM-3zf(+)

Plasmid collection test

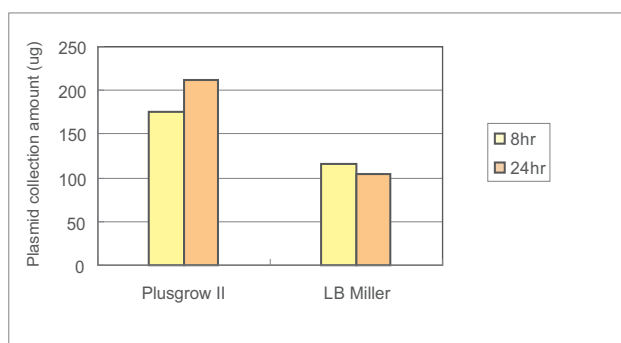


Figure 2. Plasmid collection amount (per 1ml of culture fluid)

Plasmid is collected and purified via the alkali-SDS method (containing phenol extract) following 8 and 24 hours of *E. coli* cultivation.

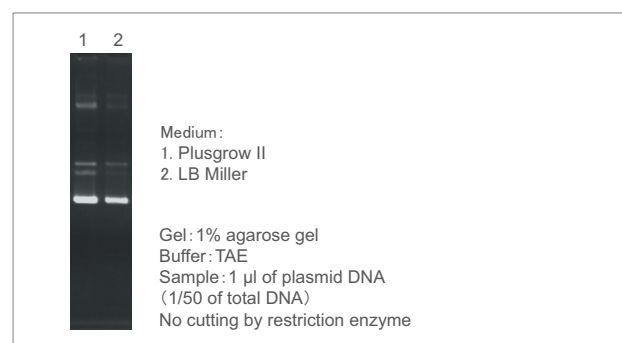


Figure 3. Electrophoresis image of collection of plasmid (following 24 hours of cultivation)

Ordering Information

Product Name	Storage	Product No.	PKG Size
Plusgrow II (One package for 1L) Dissolve → Autoclave at 121 °C for 15 minutes	RT	08246-86	40 g
		08246-44	10 x 40 g
Plusgrow II Measure 40 g → Dissolve in 1L → Autoclave at 121 °C for 15 minutes	RT	08202-04	100 g
		08202-75	500 g

Related Products

Product Name	Storage	Product No.	PKG Size
LB Agar, Lennox	RT	20067-85	500 g
LB Agar, Miller	RT	20069-65	500 g
		20069-94	2 kg
LB Broth, Lennox	RT	20066-95	500 g
		20066-24	2 kg
LB Broth, Miller	RT	20068-75	500 g
Agar, powder	RT	01028-85	500 g
Agar Purified, powder	RT	01162-15	500 g
Extract Yeast Dried	RT	15838-45	500 g
Tryptone	RT	35640-95	500 g

[Storage] RT = Room temperature