



Eco™ RichMedium E. coli Expression Medium User Manual

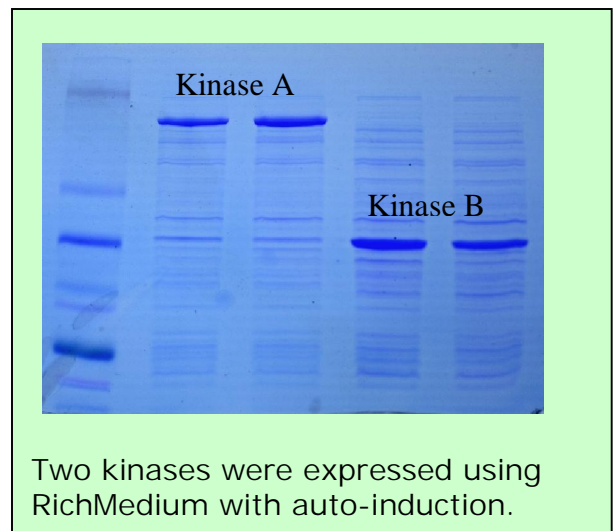
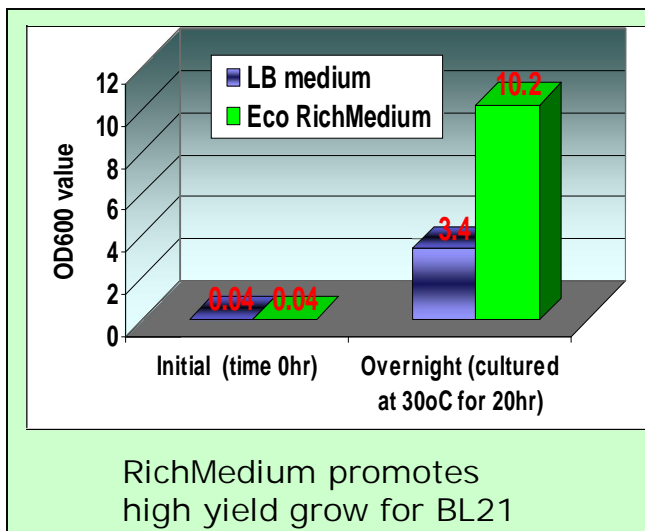
Product Name	Catalog Number	Contents
Eco™ RichMedium	RM1000	<ul style="list-style-type: none">• One bottle (1L), pre-sterilized medium• User manual

Storage:

Product stored at Room Temperature. Once opened, should stored at 4°C, guaranteed stable for 6 months when properly stored.

Product Description:

Eco™ RichMedium is a **ready-to-use**, pre-sterilized, single bottle medium, designed for high yield recombinant protein expression in E Coli. It is suitable for T7-regulated protein expression systems that inducible by IPTG. But, it eliminates the time consuming induction steps so that no need to monitor cell densities and **no need to add IPTG for induction**. It promotes high yield growth of E Coli to density of 10 to 20 (OD600) and protein is automatically expressed under standard culture conditions (see left image, below). Protein yield from Eco™ RichMedium is significantly higher than that from conventional LB medium-IPTG induction system.





Expression Protocol:

1. Pick several colonies from the plate containing E Coli expression strains that containing lac operon such as BL21(DE3), resuspend colonies into 200ul of EcoTM RichMedium by vortexing;
2. Inoculation: add the resuspended colonies into 10ml ~ 50ml of EcoTM RichMedium (added appropriate selection antibiotics) in a baffled flask; vigorously shake at 37°C, 300rpm for overnight;
3. Transfer the overnight cultured medium into appropriate amount of EcoTM RichMedium to make 1:40 dilution, keep medium volume at 20% of flask volume for better aeration, vigorously shake at 30°C, 300rpm for 17 ~ 24 hours;
4. Harvest cells, and extract, purify or analyze the expressed protein.

Related product:

- Use EcoTM Buster protein extraction reagents (**Cat# EB-S100** and **EB-L100**) for maximum extracting the expressed active, soluble protein.]