

## Superior Broth™ and Superior *Prime* Broth™

Superior Broth™ and Superior *Prime* Broth™ are proprietary medium formulations developed by AthenaES™ for improved expression of recombinant proteins in *E. coli*. Superior *Prime* Broth™ is made without animal-derived raw materials and is *APF Certified*. The media are complex, rich formulations which supply a nitrogen source, vitamins, and moderate glucose levels. The media are buffered at pH 7.2±0.2 to prevent acidification of the medium during metabolism of the glucose. For expression of recombinant proteins, induction should be done at cell densities twice that of LB Broth. Cell yields are typically about 3 to 4 times that of LB Broth in shake flask cultures depending on the characteristics of the strain. Plasmid copy numbers are the highest among the AthenaES family of media. This medium is an excellent choice for large-scale plasmid preparations. Biomass yields will depend on the process employed and the strain.

Superior Broth™	Powder	0105	500 g
	Liquid, Ready-to-Use	0116	5 x 500 ml
Superior <i>Prime</i> Broth™	Powder	0111	500 g
	Liquid, Ready-to-Use	0121	5 x 500 ml