

Bacto™ TC Yeastolate

Difco™ TC Yeastolate, UF

Product Description

TC Yeastolate products are animal-free and water-soluble portions of autolyzed yeast or *Saccharomyces cerevisiae*. TC Yeastolate is a mixture of peptides, amino acids, carbohydrates, simple and complex as well as vitamins. TC Yeastolate, UF has been ultrafiltered at a 10,000 MWCO (Molecular Weight Cut-Off). It has an endotoxin value of less than 500 EU/g.

Potential Applications

TC Yeastolate products are intended as nutritional supplements for bacterial, insect and mammalian cell culture. TC Yeastolate has been used in insect cell nutrition. TC Yeastolate was found to be a very versatile supplement to enhance growth and production characteristics of Sf9 and High Five™ cells.¹⁻⁵

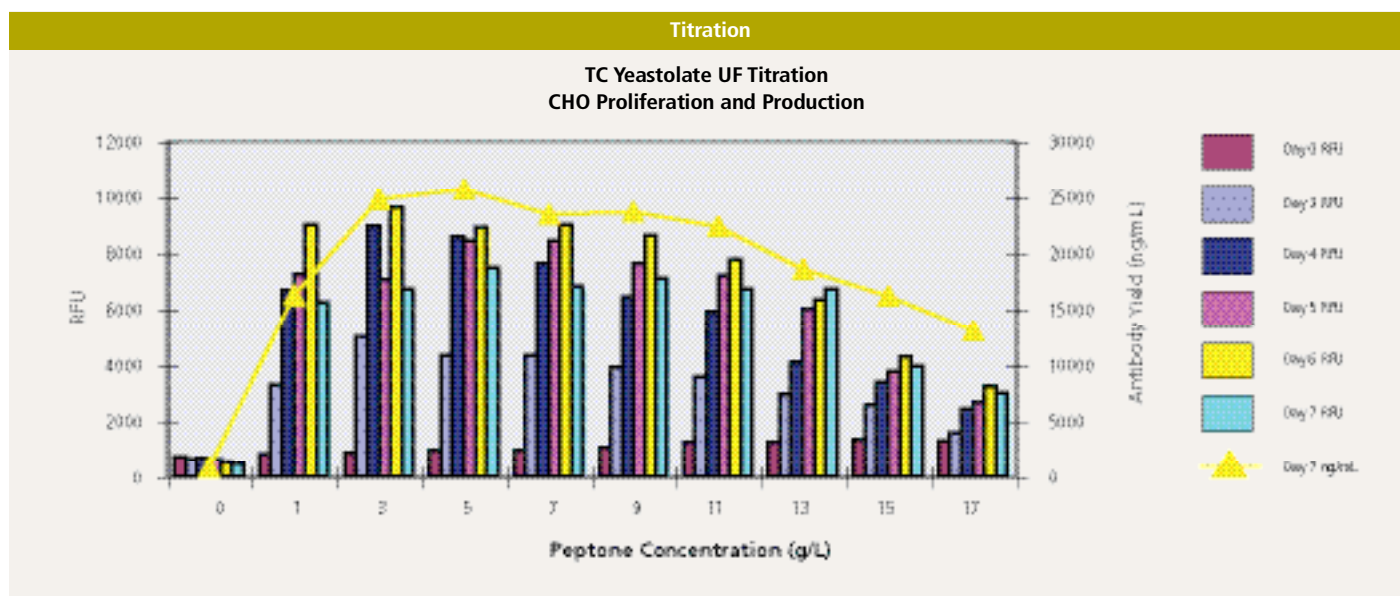
Physical Characteristics

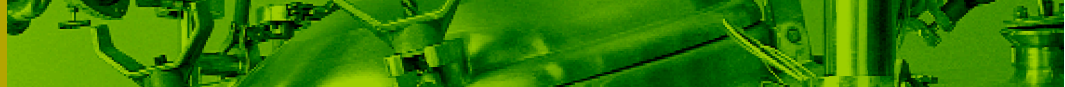
Bacto™ TC Yeastolate is a beige free-flowing, homogeneous, spray-dried powder.

Difco™ TC Yeastolate, UF is a free-flowing, homogeneous, spray-dried powder.

Availability

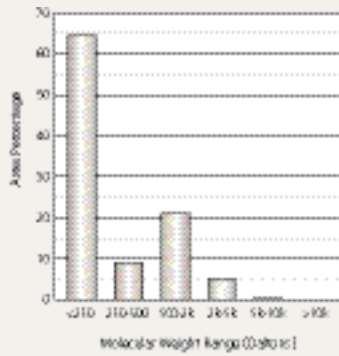
Product Description	Cat. No.	Qty.
Bacto™ TC Yeastolate	.255772	100 g
Bacto™ TC Yeastolate	.255771	10 kg
Bacto™ TC Yeastolate	.292731	25 kg
Difco™ TC Yeastolate, UF	.292804	500 g
Difco™ TC Yeastolate, UF	.292805	10 kg





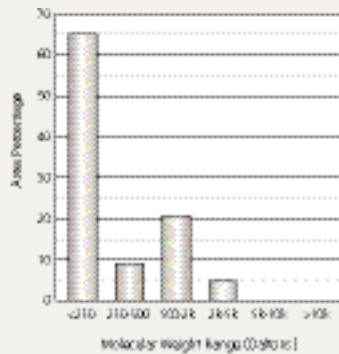
Molecular Weight

Bacto™ TC Yeastolate



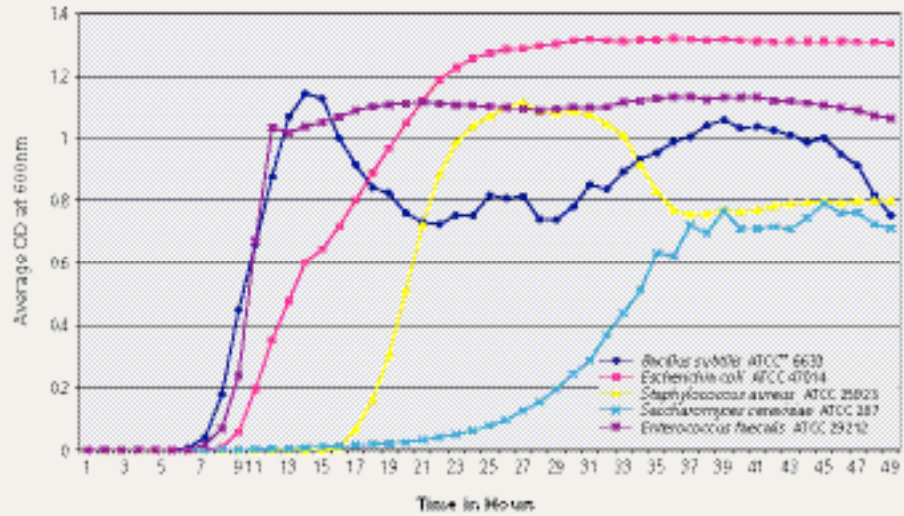
Molecular Weight

Difco™ TC Yeastolate, UF



Growth Curve

1% Bacto TC Yeastolate in 1.13% M9 Minimal Salts + 0.4% Glucose, BioScreen C



References

1. Chan, Greenfield and Reid. 1998. Optimising fed-batch production of recombinant proteins using the baculovirus expression vector system. *Biotechnol. Bioeng* 59:178-188.
2. Nguyen, Jarnagin, Williams, Chan and Barnett. 1993. Fed-batch culture of insect cells: a method to increase the yield of recombinant human nerve growth factor (rhNGF) in the baculovirus expression system. *J Biotechnol.* 31:205-217.
3. Ikonou, Bastin, Schneider, Agathos. 2001. Design of efficient medium for insect cell growth and recombinant protein production. *In Vitro Cell Dev. Biol. Anim.* 37:549-559.
4. Bedard, Kamen, Tom and Maassie. 1994. Maximization of recombinant protein yield in the insect cell/baculovirus system by one-time addition of nutrients to high-density batch cultures. *Cytotechnology* 15:129-138.
5. Donaldson and Shuler. 1998. Low-cost serum-free medium for the BTI-TN5B1-4 insect cell line. *Biotechnology Prog.* 14:573-579.