

Neo FBS 2.0, Fetal Bovine Serum

- #Cat: NB-58-0164A Size: 500ml
- #Cat: NB-58-0164B Size: 100ml
- #Cat: NB-58-0004A Size: 500ml
- #Cat: NB-58-0004B Size: 100ml
- #Cat: NB-58-0035A Size: 500ml
- #Cat: NB-58-0035B Size: 100ml
- #Cat: NB-58-0036A Size: 500ml
- #Cat: NB-58-0036B Size: 100ml

General Information

For decades, Neo FBS 2.0 has been an established additive in cell culture media. Its unique growth-promoting properties make it a valuable and essential ingredient for the cultivation of a wide variety of cell types. Neo FBS 2.0 is a complex mixture of proteins, growth factors, and many other components. It has not yet been possible to produce a synthetic growth additive with comparable performance.

Growing demand of serum with limited availability poses numerous animal welfare issues. With an increasing awareness on this problem, many researchers state that they would like to use less serum - without sacrificing performance.

In collaboration with the University of Applied Science Frankfurt, NeoBiotech developed an alternative to traditional Neo FBS 2.0 that is more controlled, defined, and less susceptible to the issues of serum supply. Neo FBS 2.0 incorporates the key components for optimal cell growth making it possible to significantly reduce the serum content. The combination of these identified components and a lower serum concentration shows a positive influence on cell growth, morphology, and furthermore decreases cell stress while batch-to-batch variations are reduced to a minimum.

Neo FBS 2.0 is supplemented to cell culture media in the same concentration as your standard FBS (e.g., 90% medium with 10%FBS).

Product	Origin	Volume	Cat.No.
Neo FBS 2.0, Fetal Bovine Serum	Collected in south America	100ml	NB-58-0004B
		500ml	NB-58-0004A
Neo FBS 2.0, Fetal Bovine Serum Heat Inactivated	Collected in south America	500ml	NB-58-0164A
		100ml	NB-58-0164B
Neo FBS 2.0,Fetal Bovine Serum	Origin USA	100ml	NB-58-0035B
		500ml	NB-58-0035A
Neo FBS 2.0,Fetal Bovine Serum	Origin Australia	100ml	NB-58-0036B
		500ml	NB-58-0036A

Product Specifications

Appearance	Clear amber liquid
Storage and shelf life	Store at $\leq -15^{\circ}\text{C}$ Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. One opened, store at 4°C and use within 4-6 weeks.
Shipping conditions	Frozen (dry ice)
Thawing	Overnight at $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$. Swirl gently to homogenize.

Quality Control

The quality of our products starts with the sourcing of raw material, which is only purchased from qualified suppliers and subjected to strict quality controls. After manufacture, The product undergoes extensive testing and only batches that meet all quality criteria are released for sale. Standard tests include pH, osmolality, total protein, albumin, IgG, hemoglobin, endotoxin content, sterility, mycoplasma, virus testing, and cell culture performance .

Precautions and Disclaimer

This product is for research and further manufacturing use only. Please consult the Material Safety Data Sheet (MSDS) for information regarding hazards and safe handling practices.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (info@neo-biotech.com) or phone (+33 9 77 40 09 09).