Product Information

Neo Human Serum, Type AB
Cat. No. NB-58-0039 (100 ml), NB-58-0039-HI (100 ml)

General Information

Human Serum in the culture medium provides human cell lines with an environment more closely matching their physiological conditions than media with animal sera. This is of particular significance in micro-optical investigations of cell structures or differentiation studies, whose results are intended to allow conclusions to be drawn regarding natural conditions in human tissue. Human serum may be superior to animal sera when culturing sensitive human cell lines. This particularly applies to immune cells such as macrophages or lymphocytes.

Human Serum Type AB is suitable not only as an additive to culture media, but also for control assays, immunoassays, and clinical chemistry.

Human Serum Type AB originates exclusively from donors of blood group AB, whose blood contains neither anti-A nor anti-B antibodies, which can damage cultured human cells and disrupt immunological investigations.

Human AB plasma from male donors, which is the source of this product, is collected from healthy donors at FDA licensed facilities located in the USA.

Applications:

- Base for assay controls
- Additive for cell culture
- Stabilizer in immunoassays

Features:

- Collection in FDA inspected plasmapheresis centers
- Human Serum, Converted, Type AB from donors without anti-A nor anti-B antibodies

Product	Origin	Treatment	Volume	Cat. No.
Neo Human Serum, Type AB	USA	X	100 ml	NB-58-0039
Neo Human Serum, Type AB	USA	Heat Inactivated	100 ml	NB-58-0039-HI

Product Specifications

Appearance	Clear amber liquid
Storage and shelf life	Store at ≤-15°C. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened store at 4°C and use within 4-6 weeks.
Shipping conditions	Frozen (Dry ice)
Thawing	Overnight at +2°C to +8°C. Swirl gently to homogenize.

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Additional Optional Treatments

Heat Inactivation:

Neo Biotech offers also heat inactivated Human Serum. Heat inactivation inactivates the complement system, antibodies and other active enzymes. This must be done in a carefully controlled process in order to maintain the cell growth promoting properties of the serum and to reduce the formation of unwanted precipitates.

The process involves heating the serum in a shaking water bath at exactly +56°C for 30 minutes. Shaking helps to prevent the formation of protein and other forms of precipitates. After 30 minutes the serum is cooled back down to room temperature as quickly as possible to avoid an over-exposure to heat which can damage growth factors and vitamins, etc.

Precautions and Disclaimer

All Human Sera have been tested according to strict guidelines. However, all human products should be treated as potentially infectious agents and in accordance with universal handling precautions.
All Human Sera of Neo Biotech should only be used for research and further manufacturing purposes, not for therapeutic use.

Help Needed?

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