



Human AB Serum

A vital cell culture reagent providing growth factors, vitamins and nutrients - *proven to grow many human cell lines at a faster rate.*



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Human AB Serum is a vital cell culture reagent for some human cell types providing growth factors, vitamins, nutrients as well as trace elements and transport factors, ensuring faster growth rates than mixed blood group serum. Human AB is proven to grow many human cell lines at a faster rate and with a smaller percentage of serum than mixed blood group serum.

Human serum provides a more comparable cell culture environment compared with other animal sera such as Foetal Bovine Serum (FBS).

- Transplantation and cell therapy applications for the expansion of mesenchymal stem cells (MSC) from adipose tissue or mesenchymal stromal cells from human bone marrow
- For *ex vivo* expansion of NK cells from peripheral blood in Haematopoietic Stem Cell Expansion Medium
- For upgrading pre-transplant human islet culture technology
- Tissue engineering
- Antibody-based HLA (Human Leucocyte Antigen) tissue-typing technologies
- For standardized limbal epithelial stem cell graft generation and transplantation
- Tissue culture of human cell lines
- Serological typing
- As a blocking agent for immunohistochemical staining procedures
- GMP Grade material available.

■ **QUALITY ASSURED**
■ **FULLY TESTED**
■ **HEALTHY MALE DONORS**
■ **SERUM OF CHOICE**

For further information or to order call 01234 889180, email sales@lifesciencegroup.co.uk or visit our website at www.lifescienceproduction.co.uk

Human AB Serum products:

Human Serum AB, male only – Converted – USA – cGMP Grade – bovine thrombin

Human Serum AB, male only – Converted – USA – cGMP Grade – bovine thrombin – Heat Inactivated

Human Serum AB, male only – Converted – USA – cGMP Grade – Xeno-free – Heat Inactivated

Human Serum AB, male only – Off clot – EU – Standard Grade

Human Serum AB, male only – Off clot – EU – Standard Grade – Heat Inactivated

Human Serum AB, male only – Off clot – EU – Standard Grade – Septum bottle

Human Serum AB, male only – Off clot – USA – cGMP – Heat Inactivated, Gamma Irradiated

Human Serum AB, male only – Off clot – USA – cGMP Grade

Human Serum AB, male only – Off clot – USA – cGMP Grade – Heat Inactivated

Human Serum AB, male only – Off clot – USA – Standard Grade

Human Serum AB, male only – Off clot – USA – Standard Grade – Heat Inactivated