Key Performance Advantages

Ideal for cell culture applications

- cGMP manufactured products
- Superior for purification of finished products

angus.com

Biological Buffers

Buffers for Life Sciences Research and Biological Production

Rely on ANGUS Life Sciences to supply you with the leading biological buffers for use in cell culture media, biopharmaceutical buffer formulations and diagnostic reagent manufacture.

In biotechnology applications involving large molecule drug development and production, including crucial upstream and downstream steps with cell culture, our biological buffers help produce bioavailable dosage for scale-up and manufacture of an array of biologics.

ANGUS Life Sciences is the world’s most experienced manufacturer of TRIS AMINO, the primary buffer used in purification of antibodies, peptides, proteins and blood components. TRIS AMINO is a stable compound guaranteed to meet the specifications of our customers—developed with cGMP-compliant manufacturing processes in ISO 9001:2008 certified facilities.

In addition to offering fine and specialized chemistries to help your best products perform better, ANGUS is a Responsible Care® Member Company, and has made a commitment to the Responsible Care Guiding Principles.

- cGMP manufacturing, packaging and testing to meet market specific regulations
- Customer specific packaging and testing available
- Global supply capability
- A TRIS AMINO grade to match your exact requirements
ANGUS Life Sciences Biological Buffers
Product Line

Bis-Tris
HEPES
HEPES Sodium
MOPS
TRIS AMINO® Buffer
TRIS AMINO® Ultra Pure (USP/EP)
TRIS AMINO® Ultra Pure (USP/EP/JP)
TRIS AMINO® HCl PRIME

ANGUS Life Sciences Capabilities

With dedicated support for biotechnology and pharmaceutical applications, ANGUS Life Sciences helps customers develop winning products, shape successful launches and achieve faster time-to-market—all while building in optimized cost effectiveness and efficiency.

We also provide additional resources, including special testing, custom blending and specialized packaging—key foundational support systems for the formulation, manufacturing and delivery of successful life sciences product lines.

Product Stewardship

ANGUS encourages its customers to review their applications of ANGUS products from the standpoint of human health and environmental quality. To help ensure that ANGUS products are not used in ways for which they are not intended, ANGUS personnel will assist customers in dealing with environmental and product safety considerations. For assistance, product Safety Data Sheets, or other information, please contact your ANGUS representative at the numbers provided in this document. When considering the use of any ANGUS product in a particular application, review the latest Safety Data Sheet to ensure that the intended use is within the scope of approved uses and can be accomplished safely. Before handling any of the products, obtain available product safety information including the Safety Data Sheet(s) and take the necessary steps to ensure safety of use.

Capabilities

Packaging
- cGMP custom and private labeling service
- Barcoding
- Custom packaging – 10g to 100kg and larger
- Multiple container options

Purchasing
- Global sourcing capabilities
- Formalized qualification process
- Supplier rating and audit program
- Non-animal origin

Analytical
- cGMP
- ISO 9001:2008 certified
- Biological testing (RNase, DNase, Protease, Endotoxin, Bioburden)
- Technical service
- Multi-compendia products

Warehousing
- cGMP warehousing
- Inventory reservation (pre-shipment sampling)
- Same day shipment

Sales/Customer Service
- Same day order/delivery
- Source information
- Bulk and custom pricing
- Confirmation of customer specifications
- Dedicated CSRs