

FACTSHEET



ANTIBODY PRODUCTION



→ DIRECT LINK



BIOSOLUTIONS BY **PAN**TM / MEDIA / REAGENTS / BUFFER





ANTIBODY PRODUCTION



As a key player in the production of therapeutic proteins, PAN-Biotech offers a comprehensive range of products and services that support the development and manufacture of biologics.

/ PROTEIN EXPRESSION:

Our cell culture media and supplements are optimized for high-yield protein expression, ensuring the production of therapeutic proteins with consistent quality and activity.

/ PURIFICATION AND FORMULATION:

We provide reagents and technologies for the purification and formulation of therapeutic proteins, enabling efficient downstream processing and product stabilization.

/ CUSTOM MANUFACTURING:

PAN-Biotech offers custom manufacturing services for therapeutic proteins, tailored to meet the specific requirements of each client and application.

/ COLLABORATIVE DEVELOPMENT:

We partner with pharmaceutical companies and research institutions to develop innovative protein therapeutics, leveraging our expertise and resources to drive advancements in treatment.

PROVEN CELL CULTURE MEDIA:

- **CHO Cells:** Pancell CHO Kit, Pancell CHO-K1 Kit, Panserin C6000, Panserin 411
- **Insect Cells:** Spodopan, Grace's Insect Medium, Schneider's Drosophila
- **Hybridoma Cells:** HybridBoost, ISF-1, Panserin H4000, Panserin H8000, Panserin 413
- **HEK293 Cells:** Panserin 293S, Panserin 293A, Panserin 401

UPSTREAM (USP)

IMMUNIZATION AND HYBRIDOMA GENERATION

- Adjuvants (e.g., Freund's Complete and Incomplete Adjuvant)
- Antigens (specific to the target of the antibody)
- Customized Cell Fusion Reagents: e.g., Polyethylene Glycol for hybridoma production
- Customized Cell Culture Media
- Hybridoma Growth Media/Supplements: e.g. Pancell CHO Feed Kit
- WFI quality water

SCREENING AND SELECTION

- ELISA Kits (for screening antibody specificity and affinity)
- Cell Culture Media: e.g. DMEM, RPMI-1640
- Antibiotics: e.g. Penicillin- Streptomycin
- WFI quality water

LARGE-SCALE ANTIBODY PRODUCTION

- Bioreactor Culture Media: e.g. HybridBoost, ISF-1, Pancell Hybridoma, Pancell CHO, Panserin293
- Feed Supplements (to enhance cell growth and productivity): e.g. Pancell CHO Feed-Kit, ITS Solution, Glutamine, Vitamine Solution
- Cell Culture Additives: anticlumping agents, e.g. Citrate, EDTA

DOWNSTREAM (DSP)

HARVEST AND CLARIFICATION

- Customized Cell Lysis Reagents (if intracellular antibodies)
- Buffer Solutions: e.g. DPBS for wash steps

POLISHING AND FORMULATION (EXCIPIENTS GRADE)

- Customized Buffer Solutions for Chromatography
- Concentration Buffers: e.g. for ultrafiltration
- Stabilizers: e.g. Sucrose, Trehalose
- Preservatives (if required for storage)

Products highlighted in **"RED"** are currently available / customized production with short delivery time!

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