BIOSOLUTIONS BY PAN™

/ MEDIA / REAGENTS / SERUM / BUFFER

SEAMLESS TRANSITION FROM **RUO** TO **GMP**

GMP GRADE

Our GMP grade product portfolio complies with the growing regulatory requirements for pharmaceutical and biotechnological development and manufacturing. These products have been specifically designed for use in sensitive and quality-critical applications and meet the highest standards in terms of safety, consistency, and documentation.

All GMP grade products are manufactured in accordance with the requirements of GMP EU Annex 1 for the manufacture of sterile products. They are supplied ready-to-use and can be integrated directly into existing processes without the need for further adjustment – including preclinical and clinical applications.

GMP · GOOD MANUFACTURING PRACTICE · ISO 9001:2015 · ISO 13485:2016 · FDA REGISTERED · TOP CONTRACT MANUFACTURING ORGANIZATIONS IN EUROPE · GATEWAY TO EUROPE · MADE IN GERMANY

PAN BIOTECH™ PAN CELLTECH™

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GMP GRADE PRODUCTS

/ RELIABLE SOLUTIONS FOR QUALITY-CRITICAL AND REGULATED APPLICATIONS

KEY ADVANTAGES:

- **GMP-COMPLIANT MANUFACTURING**
  Produced in accordance with the requirements of GMP EU Annex 1 for the manufacture of sterile products.
- **READY-TO-USE**
  Immediately applicable without additional preparation steps, supporting efficient and time-critical workflows.
- **SUITABLE FOR SENSITIVE APPLICATIONS**
  Designed for use in preclinical and clinical processes as well as other highly regulated environments.
- **HIGH PROCESS AND PRODUCT RELIABILITY**
  Validated manufacturing processes, defined specifications, and comprehensive quality controls ensure consistent product performance.
- **FULL DOCUMENTATION AND TRACEABILITY**
  Complete batch documentation and traceability to support regulatory compliance and audit readiness.

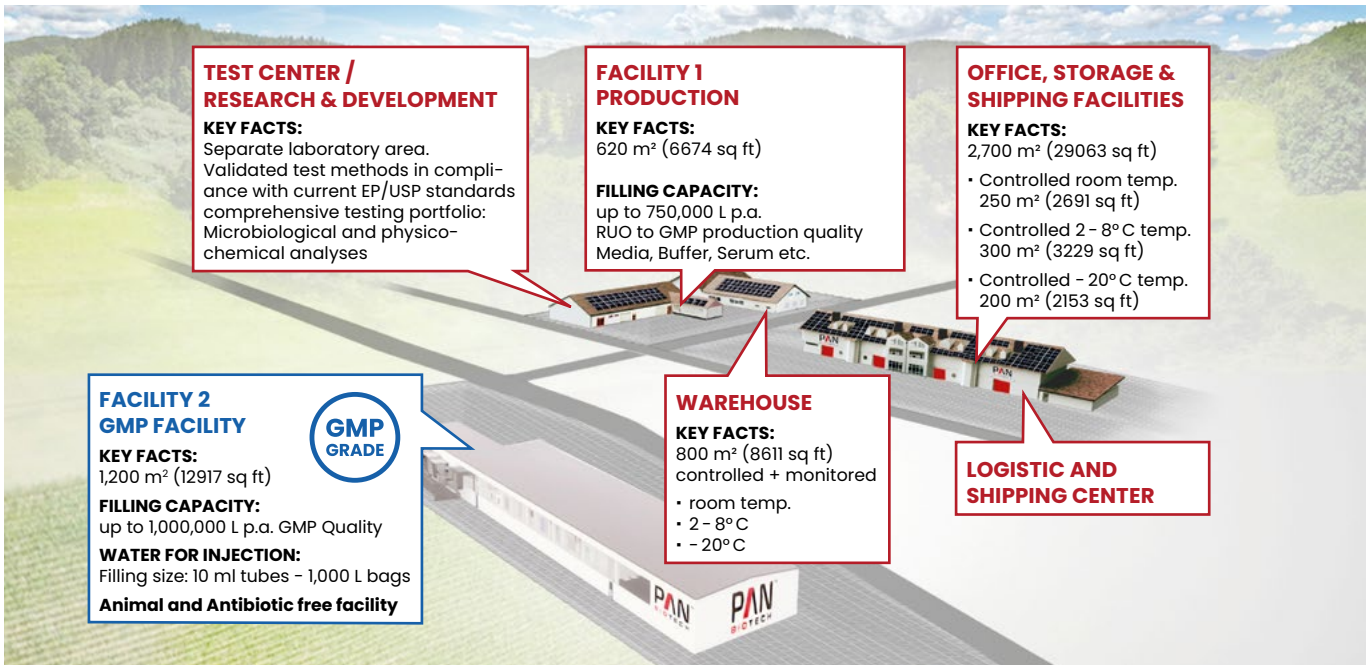
PRODUCT	SIZE	PRODUCT NO.
CMRL-1066 w/o: L-Glutamine, w/o: Phenol red, w: 2.2 g/L $NaHCO_3$	500 ml	CT-84600
M199 W: EBSS w: L-Glutamine, w: 2.2 g/L $NaHCO_3$	500 ml	CT-07050
PANEXIN CD Serum Replacement with Defined Components	100 ml	CT-93100
PANEXIN CD Serum Replacement with Defined Components	500 ml	CT-930500
PANEXIN BASIC Serum Replacement with Defined Components	100 ml	CT-96900
TRYPSIN 0.05 %/EDTA 0.02 % IN DPBS w/o: Ca and Mg	100 ml	CT-023100
ISF-1 MEDIUM FOR HYBRIDOMA w: stable Glutamine, w: Insulin human, w: 2.438 g/L $NaHCO_3$	1,000 ml	CT-995968
HybridBoost w: stable Glutamine, w: Insulin hum. rec., w/o: Phenol red, w: 2.438 g/L $NaHCO_3$	500 ml	CT-995905
HEPES Buffer 1 M	100 ml	CT-01100
L-Glutamine 200 mM	100 ml	CT-80100
Penicillin-Streptomycin 10.000 U/ml Penicillin, 10 mg/ml Streptomycin	100 ml	CT-07110
DPBS w/o: Ca and Mg	500 ml	CT-36500

PRODUCT	SIZE	PRODUCT NO.
DMEM w: 4.5 g/L Glucose, w: L-Glutamine, w/o: Sodium pyruvate, w: 3.7 g/L $NaHCO_3$	500 ml	CT-03550
DMEM w: 4.5 g/L Glucose, w/o: L-Glutamine, w: Sodium pyruvate, w: 3.7 g/L $NaHCO_3$	500 ml	CT-03600
DMEM w: 4.5 g/L Glucose, w: stable Glutamine, w/o: Sodium pyruvate, w: 3.7 g/L $NaHCO_3$	500 ml	CT-04500
RPMI 1640 w: stable Glutamine, w: 2.0 g/L $NaHCO_3$	500 ml	CT-18500
RPMI 1640 w: 2 mM L-Glutamine, w: 1 mM Sodium pyruvate, w: 4.5 g/L Glucose, w: 10 mM HEPES, w: 1.5 g/L $NaHCO_3$	500 ml	CT-18047
RPMI 1640, w: L-Glutamine, w: 2.0 g/L $NaHCO_3$	500 ml	CT-16500
MEM Eagle w: EBSS, w: L-Glutamine, w: 2.2 g/L $NaHCO_3$	500 ml	CT-08500
MEM Eagle w: EBSS, w: 2 mM L-Glutamine, w: 1 mM Sodium pyruvate, w: NEAA, w: 1.5 g/L $NaHCO_3$	500 ml	CT-08056
MEM Eagle w: EBSS, w/o: L-Glutamine, w: 2.2 g/L $NaHCO_3$	500 ml	CT-08050
POWERSTEM MSC 1 KIT	500 ml	CT-77355K
CRYOPAN II	100 ml	CT-94100
CRYOPAN III	100 ml	CT-96100

GMP MANUFACTURING

Our products play a crucial role in various life science applications, including Advanced Therapy Medicinal Products (ATMPs), Biopharmaceuticals, Cell and Gene Therapies, Vaccine Production, and more.

Whether you need media for cell therapy purposes, reagents or buffer for bioprocessing, we supply ready-to-use solutions for your GMP applications. These products are manufactured in our new GMP (EU Annex 1) – compliant production facility under strict quality controls.



GMP FACILITY

Our GMP production facility is built and qualified in accordance to GMP EU Annex 1 for sterile products.

Its state-of-the-art design enables fast, flexible and scalable production of your products in GMP quality, carried out by our qualified and highly trained personnel.

KEY FACTS

- Exclusively production facility for antibiotics and animal derived components free products
- Class D to A cleanrooms
- 1,000,000 L filling capacity per year
- Lot sizes up to 1,000 L
- Sterile filling from 10 ml vials to 1,000 L Bags
- Single-use equipment
- Environmental monitoring according to GMP guidelines
- Established processes for customized productions GMP acc. EU Annex 1
- Audited by leading NASDAQ / DAX listed pharmaceutical and biotech companies