



INSTITUTIONAL PRODUCT PORTFOLIO

Delivering Uncompromising Supply Continuity & Certified Quality

ABOUT BION SOLUTIONS

BION Solutions is a Veteran-Owned Christian enterprise dedicated to strengthening global healthcare supply chains. We partner directly with internationally certified manufacturers to deliver dependable, high-quality medical devices, parenteral solutions, specialized medications, and targeted pharmaceutical platforms to healthcare facilities worldwide.

Designed for distributors, procurement teams, institutional buyers, and strategic partners, this catalog outlines our complete standardized portfolio. It establishes a clear framework for tender submissions, technical dossier requests, and international supply agreements, reflecting our commitment to service, honor, and supply reliability.

WHY PARTNER WITH BION SOLUTIONS

Our foundation is built on uncompromising standards. We offer global procurement teams distinct strategic advantages:

DEPENDABLE SUPPLY CONTINUITY

We actively manage and safeguard our supply chains to ensure uninterrupted delivery of critical fluids, devices, and pharmaceuticals, mitigating global shortage risks for our institutional partners.

CERTIFIED MANUFACTURING

All products are produced in state-of-the-art facilities adhering to stringent GMP and ISO guidelines, ensuring complete biocompatibility, sterility, and therapeutic efficacy.

INSTITUTIONAL SUPPORT

We provide comprehensive backend support for procurement teams, handling complex logistics, volume scalability, and tender-specific requirements with precision and dedication.

MARKET-SPECIFIC DOCUMENTATION

Our regulatory affairs team supplies robust technical dossiers, Certificates of Analysis (CoA), and localized registration documentation to facilitate rapid market entry and compliance.

QUALITY SYSTEMS & REGULATORY PATHWAYS

BION Solutions recognizes that product reliability is the cornerstone of patient care. Our manufacturing partners operate under rigorous quality and regulatory systems aligned with the principal international requirements of ICH, WHO, and ISO 13485, supported by additional applicable device and manufacturing standards.

- **ICH:** International Council for Harmonisation requirements supporting pharmaceutical quality, safety, and lifecycle controls
- **WHO:** World Health Organization guidance supporting global quality, manufacturing, and supply expectations
- **ISO 13485:** Quality Management Systems for Medical Devices
- **GMP:** Good Manufacturing Practices
- **ISO 10993:** Biological Evaluation of Medical Devices
- **ISO 8536-4:** Infusion Equipment for Medical Use
- **ISO 594-1/2:** Conical Fittings with a 6% Luer Taper for Syringes and Needles

REGULATORY & MARKET AVAILABILITY NOTICE

Certifications, regulatory registrations, and final product configurations are strictly destination-market dependent. Core regulatory pathway expectations may include alignment with ICH, WHO, and ISO 13485 requirements, with market-specific registrations such as CE Mark (Europe) and ANVISA (Brazil), as applicable by product.

United States Market Disclaimer: Any FDA references within our literature or communications pertain strictly to products undergoing review. All such products must be understood as *pending review / awaiting FDA approval or clearance*, as applicable. No products in this catalog are presented, offered, or implied as FDA-approved.

COMPLETE PRODUCT PORTFOLIO

A. LARGE-VOLUME PARENTERAL SOLUTIONS (LVPS)

Our LVPS portfolio features sterile, pyrogen-free formulations in volumes of 50 mL or greater, designed for hydration, electrolyte balancing, and clinical compounding. Depending on the product and target market, presentation configurations may include PEBD bottles, closed-system bottles, tri-laminated bags, and PVC/DEHP-free variants.

Product	Standard Strength / Type	Available Volumes
Water for Injection	Sterile Diluent	50 mL, 100 mL, 250 mL, 500 mL, 1000 mL
0.9% Sodium Chloride	Normal Saline / Isotonic	50 mL, 100 mL, 250 mL, 500 mL, 1000 mL
5% Dextrose (Glucose)	Carbohydrate Replenishment	100 mL, 250 mL, 500 mL, 1000 mL
10% Dextrose (Glucose)	Hypertonic Carbohydrate	500 mL
Glucose Saline Solution	5% Glucose + 0.9% NaCl	250 mL, 500 mL, 1000 mL
Glycophysiological Solution	Hydration / Caloric Support	250 mL, 500 mL, 1000 mL
Lactated Ringer's Solution	Isotonic Electrolyte Replenishment	250 mL, 500 mL, 1000 mL
Simple Ringer's Solution	Isotonic Electrolyte Replenishment	250 mL, 500 mL, 1000 mL
20% Mannitol Solution	Osmotic Diuretic	250 mL, 500 mL

B. SMALL-VOLUME PARENTERAL SOLUTIONS (SVPS)

The SVPS line provides concentrated electrolytes, additives, and diluents for critical care compounding. These are commonly supplied in sterile plastic or polyethylene ampules to ensure safe handling, precise dosing, and a reduced risk of breakage in high-paced clinical environments.

Product	Strength / Concentration	Available Volumes
Water for Injection	Sterile Diluent	1 mL, 2 mL, 3 mL, 5 mL, 10 mL
Sodium Chloride 0.9%	0.9% (Isotonic)	5 mL, 10 mL, 20 mL
Sodium Chloride 10%	10% (Hypertonic)	10 mL
Sodium Chloride 17.55%	17.55% (Hypertonic)	10 mL
Sodium Chloride 20%	20% (Hypertonic)	10 mL
Potassium Chloride 10%	100 mg/mL	10 mL
Potassium Chloride 15%	150 mg/mL	10 mL
Potassium Chloride 19.1%	191 mg/mL	10 mL
Glucose 25%	25%	10 mL
Glucose 50%	50%	10 mL
Glucose 75%	75%	10 mL

C. SPECIALIZED IV MEDICATIONS

Our pre-mixed, ready-to-use infusion presentations provide highly efficient delivery mechanisms for critical care, minimizing compounding time and reducing potential errors. *Note: Destination-market regulatory status must be confirmed per product prior to procurement.*

Product	Strength	Presentation Volumes
Levofloxacin Hemihydrate	5 mg/mL	150 mL, 750 mL
Ketoprofen	1 mg/mL	100 mL
Granisetron Hydrochloride	0.06 mg/mL	50 mL
Ciprofloxacin (KINOF)	2 mg/mL	100 mL
Linezolid	2 mg/mL	300 mL
Fluconazole	2 mg/mL	100 mL

D. INFUSION & ACCESS DEVICES

Manufactured to rigorous ISO guidelines, our access devices are engineered for uncompromised clinical performance, safety, and seamless integration with our fluid portfolios.

1) IV TUBING SETS

- **Standard Flow:** 20 drops/mL
- **Micro Flow:** 60 drops/mL
- **Length:** 150–180 cm
- **Configuration Options:** Vented / non-vented, integrated air filter, precision roller clamp, standard luer or luer-lock, latex-free, and DEHP-free variants available.

2) IV CATHETERS

- **Available Gauges:** G14, G16, G17, G18, G19, G20, G21, G22, G23, G24, G26
- Designed for atraumatic insertion and secure peripheral placement.

3) CLINICAL SYRINGES

- Pre-filled 0.9% Sodium Chloride Syringes (for flush protocols)
- 3-part Luer Lock Syringe with needle — 3 mL (23G x 1")
- 3-part Luer Lock Syringe with needle — 5 mL (22G x 1 1/4")
- 3-part Luer Lock Syringe with needle — 10 mL (21G x 1 1/2")
- 3-part Luer Lock Syringe with needle — 20 mL (21G x 1 1/2")
- Disposable Insulin Syringe — 1 mL (31G x 8 mm)

4) HYPODERMIC NEEDLES

- **Available Gauges:** 20G, 21G, 22G, 23G, 25G
- Sterile, single-use, high-precision bevel design.

E. ORAL PHARMACEUTICAL PORTFOLIO

Targeted therapeutic interventions supporting global public health initiatives. Manufactured under strict GMP oversight for institutional distribution.

HIV / ANTIRETROVIRAL PLATFORM

Product / Active Ingredient	Standard Strength	Presentation
Dolutegravir	50 mg	30 tablets / bottle
Tenofovir + Lamivudine	300 mg + 300 mg	30 tablets / bottle
Tenofovir + Emtricitabine	300 mg + 200 mg	30 tablets / bottle
Tenofovir	300 mg	30 tablets / bottle

HCV PLATFORM (DIRECT-ACTING ANTIVIRALS)

Product / Active Ingredient	Standard Strength	Presentation
Sofosbuvir	400 mg	28 tablets / bottle
Daclatasvir	60 mg	28 tablets / bottle

OSTEOPOROSIS PLATFORM

Product / Active Ingredient	Standard Strength	Presentation
Raloxifene	60 mg	28 tablets / blister

F. SPECIALTY & NUTRITIONAL PRODUCTS

Essential formulations intended to support varied clinical environments, from nutritional supplementation to specific procedural requirements.

Product	Volume	Application & Notes
12% Glycerin Solution	250 mL, 500 mL	Rectal use — available with or without probes

Product	Volume	Application & Notes
Enteral Nutrition Vial	300 mL	Enteral feeding protocols

VACCINES PORTFOLIO

BION Solutions offers an expansive selection of high-quality immunization platforms designed to meet the demands of national health programs and global inoculation initiatives. *Note: Comprehensive registration documentation, technical dossiers, and specific market availability details are available upon request.*

Vaccine Name	Portfolio Note
Rabies vaccine (inactivated)	Dossier available upon request
Senior trivalent influenza vaccine (fragmented, inactivated)	Dossier available upon request
Senior quadrivalent influenza vaccine (fragmented, inactivated)	Dossier available upon request
Adsorbed diphtheria and tetanus vaccine for adults (DT)	Dossier available upon request
Adsorbed diphtheria, tetanus and pertussis (acellular) vaccine	Dossier available upon request
Adsorbed diphtheria and tetanus vaccine for children (DT)	Dossier available upon request
Human Papillomavirus Vaccine 6, 11, 16 and 18 (Recombinant)	Dossier available upon request
bivalent (recombinant) respiratory syncytial virus vaccine	Dossier available upon request
varicella vaccine (attenuated)	Dossier available upon request
23-valent pneumococcal (polysaccharide) vaccine	Dossier available upon request
Adsorbed Hepatitis B Vaccine (Recombinant)	Dossier available upon request
Rabies Vaccine for Human Use	Dossier available upon request
Adsorbed diphtheria, tetanus and pertussis vaccine	Dossier available upon request
Trivalent influenza vaccine (fragmented and inactivated)	Dossier available upon request
Meningococcal ACWY (conjugate) vaccine	Dossier available upon request
Adsorbed Hepatitis A Vaccine (Inactivated)	Dossier available upon request
Recombinant Hepatitis B Vaccine	Dossier available upon request

CLINICAL HANDLING GUIDANCE

Institutional protocols should govern the handling and administration of all medical products. The following standardized principles apply to the BION Solutions portfolio:

- **Sterility & Integrity:**

Parenteral products are sterile and pyrogen-free where applicable. They are intended strictly for single-use administration. Do not reuse or store partially utilized containers.

- **Visual Inspection:**

Healthcare professionals must perform visual inspections prior to use. Products should not be administered if packaging/seals are compromised, if fluid is discolored or cloudy, or if particulates are observed.

- **Professional Administration:**

All parenteral solutions, specialized IV medications, and infusion devices must be utilized exclusively by qualified, trained healthcare professionals following prescribed dosages and designated routes of administration.

QUICK REFERENCE INDEX

A categorized summary to facilitate rapid tender matching and institutional cross-referencing:

LARGE-VOLUME PARENTERAL SOLUTIONS

Water for Injection, 0.9% Sodium Chloride, 5% Dextrose, 10% Dextrose, Glucose Saline Solution, Glycophysiological Solution, Lactated Ringer's Solution, Simple Ringer's Solution, 20% Mannitol Solution.

SMALL-VOLUME PARENTERAL SOLUTIONS

Water for Injection, Sodium Chloride 0.9%, Sodium Chloride 10%, Sodium Chloride 17.55%, Sodium Chloride 20%, Potassium Chloride 10%, Potassium Chloride 15%, Potassium Chloride 19.1%, Glucose 25%, Glucose 50%, Glucose 75%.

SPECIALIZED IV MEDICATIONS

Levofloxacin Hemihydrate, Ketoprofen, Granisetron Hydrochloride, Ciprofloxacin (KINOF), Linezolid, Fluconazole.

INFUSION & ACCESS DEVICES

IV Tubing Sets (Standard Flow / Micro Flow), IV Catheters (G14-G26), Pre-filled 0.9% Sodium Chloride Syringes, 3-part Luer Lock Syringes, Insulin Syringes, Hypodermic Needles.

ORAL, SPECIALTY & NUTRITIONAL PRODUCTS

Dolutegravir, Tenofovir + Lamivudine, Tenofovir + Emtricitabine, Tenofovir, Sofosbuvir, Daclatasvir, Raloxifene, 12% Glycerin Solution, Enteral Nutrition Vial.

VACCINES PORTFOLIO

Rabies, Influenza (Senior Trivalent / Senior Quadrivalent / Trivalent), Diphtheria-Tetanus platforms, DTP / DTaP platforms, HPV, RSV, Varicella, Pneumococcal, Hepatitis A, Hepatitis B, and Meningococcal ACWY.

CONTACT & NEXT STEPS

BION Solutions is fully prepared to support rigorous international procurement processes. Our dedicated institutional representatives are available to coordinate tailored supply agreements and answer complex tender requirements.

Upon request, our team can supply:

- Comprehensive technical dossiers and Certificates of Analysis (CoA)
- Market-specific regulatory documentation and ANVISA / ISO / GMP certifications
- Detailed presentation and packaging configurations for freight and logistics planning
- Customized distributor agreements and tender submission support

Connect With Our Procurement Team

To discuss market availability, initiate a technical dossier request, or establish a distributor partnership, please reach out to your designated BION Solutions representative.



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Supplying Excellence. Serving with Honor.