



TJLPHARMACEUTICAL

LifeSol®

Product Catalog

Intravenous Infusion Solutions · Manufactured under cGMP
Every Drop Saves a Life

EDITION 2026

About TJL Pharmaceutical

TJL Pharmaceutical (LifeSol®) exists to make world-class healthcare accessible. From our manufacturing facility in Kabul, Afghanistan, we produce top-quality intravenous infusion solutions across multiple container closure systems — low-density polyethylene, polypropylene and glass bottles. Every solution leaving our facility is prepared with precision and accuracy, terminally sterilized, pyrogen-free and released batch-by-batch through rigorous quality control.

cGMP Certified Manufacturing	WHO Guideline Compliant	Sterility Assured & Pyrogen-Free
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The LifeSol® Family

17 intravenous infusion products across four clinical categories — basic, therapeutic, antibiotic and specialty infusions — plus a growing range of ampoules and vials.



Lifesol DS

Dextrose 5% + Sodium Chloride 0.9%

A dual-action infusion combining 5% Dextrose with Normal Saline — replacing fluids and electrolytes while supplying readily available carbohydrate calories in a single bottle.

CLINICAL INDICATIONS

- Combined fluid, electrolyte and caloric deficit
- Post-operative maintenance therapy
- Dehydration with concurrent energy requirement

KEY BENEFITS

- Energy plus electrolytes in one infusion
- Reduces need for multiple simultaneous lines
- Consistent glucose concentration, batch after batch

Pack sizes: 1000ml · 500ml



Lifesol DS 1/2

Dextrose 5% + Sodium Chloride 0.45%

Half-strength dextrose saline engineered for maintenance fluid therapy. The balanced profile of Lifesol DS 1/2 makes it a trusted daily choice for both paediatric and adult wards.

CLINICAL INDICATIONS

- Routine maintenance fluid therapy
- Paediatric hydration under supervision
- Patients requiring moderate sodium with calories

KEY BENEFITS

- Balanced profile suited to long infusions
- Gentle on paediatric electrolyte balance
- Precise fill volumes for accurate dosing

Pack sizes: 500ml



Lifesol G10

Dextrose Anhydrous 10% w/v

Concentrated 10% Dextrose infusion for patients with elevated energy demands. Lifesol G10 delivers double the caloric density of standard dextrose for dependable glycaemic support.

CLINICAL INDICATIONS

- Treatment of acute hypoglycemia
- Higher caloric intake in restricted fluid volumes
- Neonatal and adult energy support protocols

KEY BENEFITS

- High caloric density per millilitre
- Rapid restoration of blood glucose
- Sterile, particle-free solution — QC verified

Pack sizes: 1000ml · 500ml



Lifesol G5

Dextrose Anhydrous 5% w/v (Glucose 5%)

5% Dextrose in water — a fundamental source of hydration and carbohydrate calories. Lifesol G5 provides metabolic water and energy while serving as a versatile diluent for IV drug delivery.

CLINICAL INDICATIONS

- Parenteral hydration and caloric support
- Prevention and management of ketosis
- Diluent for compatible intravenous medications

KEY BENEFITS

- Rapidly metabolized energy source
- Provides free water for intracellular hydration
- Compatible with a wide range of IV drugs

Pack sizes: 1000ml · 500ml · 100ml



Lifesol NS

Sodium Chloride 0.9% w/v (Normal Saline)

Sterile, pyrogen-free isotonic Normal Saline — the workhorse of intravenous therapy. Manufactured under cGMP with terminal sterilization, Lifesol NS restores circulating volume and replaces sodium and chloride safely and predictably.

CLINICAL INDICATIONS

- Dehydration and acute fluid resuscitation
- Sodium and chloride replacement
- Vehicle and diluent for compatible IV medications
- Pre- and post-operative fluid management

KEY BENEFITS

- Isotonic with plasma for safe, rapid infusion
- Terminally sterilized and pyrogen-free
- Crystal-clear solution with batch-wise QC release
- Self-collapsing bottle with twin hanging ports

Pack sizes: 1000ml · 500ml · 100ml



Lifesol NS Half

Sodium Chloride 0.45% w/v

Half-strength (0.45%) hypotonic saline for gentle, controlled rehydration. Lifesol NS Half delivers free water alongside a reduced sodium load — ideal when full-strength saline would be excessive.

CLINICAL INDICATIONS

- Management of hyponatremia
- Maintenance hydration with sodium restriction
- Hyperosmolar states requiring free water

KEY BENEFITS

- Reduced sodium load for sensitive patients
- Gentle correction of serum osmolality
- cGMP-manufactured with full traceability

Pack sizes: 500ml



Lifesol RL

Ringer Lactate Solution (Lactated Ringer)

Balanced crystalloid Ringer's Lactate mirroring the electrolyte profile of human plasma. The lactate buffer is metabolized to bicarbonate, supporting acid-base balance during large-volume replacement.

CLINICAL INDICATIONS

- Fluid resuscitation in trauma, burns and shock
- Perioperative volume replacement
- Correction of mild metabolic acidosis

KEY BENEFITS

- Plasma-like balanced electrolyte profile
- Lactate buffer supports acid-base balance
- Preferred crystalloid for large-volume therapy

Pack sizes: 1000ml · 500ml · 250ml



Lifesol RLD

Ringer Lactate + Dextrose 5%

Lifesol RLD unites balanced Ringer Lactate electrolytes with 5% Dextrose — replacing fluids, buffering acid-base balance and supplying carbohydrate energy in a single infusion.

CLINICAL INDICATIONS

- Fluid and electrolyte replacement with caloric support
- Perioperative maintenance therapy
- Dehydration with concurrent energy requirement

KEY BENEFITS

- Balanced electrolytes plus energy in one bottle
- Lactate buffer supports acid-base balance
- Reduces need for multiple simultaneous infusions

Pack sizes: 1000ml · 500ml

THERAPEUTIC INFUSION



Lifesol Nsaid

Ibuprofen 400mg / 100ml

A new era of IV pain care. Lifesol NSAID delivers Ibuprofen 400mg directly into the bloodstream for fast onset and sustained relief of pain, fever and inflammation.

CLINICAL INDICATIONS

- Moderate to severe acute pain
- Inflammatory pain when oral therapy is unsuitable
- Post-surgical pain management protocols

KEY BENEFITS

- Fast onset via direct IV delivery
- Powerful anti-inflammatory action of Ibuprofen 400mg
- Precision-dosed 100ml ready-to-use format

Pack sizes: 100ml



Lifesol Para

Paracetamol 1000mg / 100ml

Ready-to-infuse intravenous Paracetamol (1g/100ml) for fast, dependable control of acute pain and fever — with onset of analgesia in minutes when the oral route is unavailable.

CLINICAL INDICATIONS

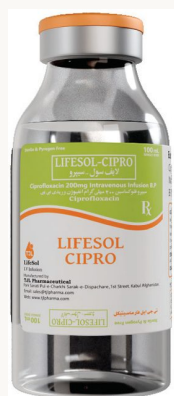
- Short-term management of moderate pain
- Post-operative analgesia
- Rapid reduction of fever when IV route is justified

KEY BENEFITS

- Analgesic onset within ~15 minutes
- Opioid-sparing pain management
- Ready-to-infuse — no dilution errors

Pack sizes: 100ml

ANTIBIOTIC INFUSION



Lifesol Cipro

Ciprofloxacin 200mg & 400mg / 100ml

Broad-spectrum fluoroquinolone antibiotic infusion (Ciprofloxacin 200mg/100ml) providing dependable coverage against a wide range of susceptible gram-negative and gram-positive organisms.

CLINICAL INDICATIONS

- Complicated urinary tract infections
- Lower respiratory tract infections
- Gastro-intestinal and intra-abdominal infections

KEY BENEFITS

- Broad-spectrum bactericidal coverage
- Ready-to-infuse standardized concentration
- Full sterility and potency testing per batch

Pack sizes: 100ml



Lifesol Levo

Levofloxacin 500mg / 100ml

Levofloxacin 500mg/100ml intravenous infusion — a respiratory fluoroquinolone trusted for serious infections requiring reliable tissue penetration and once-daily convenience.

CLINICAL INDICATIONS

- Community-acquired pneumonia
- Complicated urinary tract infections
- Skin and soft-tissue infections

KEY BENEFITS

- Excellent tissue penetration
- Convenient once-daily dosing profile
- Consistent potency verified by QC release

Pack sizes: 100ml



Lifesol Metro

Metronidazole 500mg / 100ml

Metronidazole 500mg/100ml IV infusion — the established standard against anaerobic bacteria and protozoa, manufactured with pharmaceutical precision for critical-care dependability.

CLINICAL INDICATIONS

- Anaerobic bacterial infections
- Surgical infection prophylaxis
- Amoebiasis and other protozoal infections

KEY BENEFITS

- Gold-standard anaerobic coverage
- Suitable for surgical prophylaxis protocols
- Stable, light-protected formulation

Pack sizes: 100ml



Lifesol Oflox

Ofloxacin 200mg / 100ml

Ofloxacin 200mg/100ml intravenous infusion delivering dependable broad-spectrum antibacterial therapy with well-characterized pharmacokinetics.

CLINICAL INDICATIONS

- Respiratory and urinary tract infections
- Skin and soft-tissue infections
- Infections requiring IV fluoroquinolone therapy

KEY BENEFITS

- Reliable broad-spectrum activity
- Predictable, well-studied kinetics
- Ready-to-use — reduces preparation time

Pack sizes: 100ml

SPECIALTY INFUSION



Lifesol Heamasol

Polygeline 3.5% + Electrolytes

A Polygeline 3.5% plasma volume expander with balanced electrolytes, engineered for circulatory support. Lifesol Heamasol rapidly restores intravascular volume in hypovolemic states, buying critical time in emergency care.

CLINICAL INDICATIONS

- Hypovolemia and hypovolemic shock
- Plasma volume expansion in acute blood loss
- Circulatory support during surgery

KEY BENEFITS

- Rapid intravascular volume restoration
- Gelatin-based colloid with balanced electrolytes
- Emergency-ready 500ml presentation

Pack sizes: 500ml



Lifesol M

Mannitol 20% w/v

Mannitol 20% — a sterile osmotic diuretic infusion. Lifesol M draws excess fluid out of sensitive compartments, making it a critical-care tool for controlling intracranial and intraocular pressure.

CLINICAL INDICATIONS

- Reduction of raised intracranial pressure and cerebral edema
- Reduction of raised intraocular pressure
- Promotion of diuresis in oliguric states

KEY BENEFITS

- Rapid, predictable osmotic action
- Ready-to-infuse 20% concentration
- Sterile, pyrogen-free with batch-wise QC release

Pack sizes: 500ml



Lifesol Paed's

Dextrose 4.3% + Sodium Chloride 0.18%

A gentle 1/5-strength dextrose saline (Dextrose 4.3% + Sodium Chloride 0.18%) designed around the smaller bodies and finer fluid tolerances of children — precise glucose and sodium balance for safe paediatric therapy.

CLINICAL INDICATIONS

- Paediatric maintenance fluid therapy
- Hydration support in children
- Post-operative paediatric care

KEY BENEFITS

- 1/5-strength formula tailored to paediatric needs
- Fine-tolerance fill volumes for accurate dosing
- Gentle profile trusted by paediatric wards

Pack sizes: 500ml

Also Available — Ampoules, Vials & More

Product	Composition	Format	Sizes
Lifesol Moxi	Moxifloxacin HCl 400mg / 250ml	LDPE Bottle	250ml
Lifesol HS 3%	Sodium Chloride 3% (Hypertonic Saline)	Infusion	100ml
Water for Injection	Sterile Water for Injection B.P	Ampoule	5ml, 10ml, 20ml
Lifesol NS 20	Sodium Chloride 0.9% w/v	Ampoule	20ml
Lifesol G25	Dextrose 25% w/v	Ampoule	20ml
Lifesol SBC	Sodium Bicarbonate 8.4% w/v	Vial	20ml
Lifesol KCl	Potassium Chloride 7.46% w/v	Vial	20ml

Coming Soon — IV Sets & Syringes

TJL is expanding into sterile medical consumables — completing the infusion therapy chain from solution to administration. Contact our export team for launch timelines and early availability.



IV Infusion Set

COMING SOON

Sterile single-use IV administration set — crystal-clear medical-grade tubing, transparent drip chamber and precision roller clamp for accurate flow control.

Pack sizes: Sterile · Single Use



Disposable Syringe 5ml

COMING SOON

Sterile single-use luer-lock syringe with clear graduated barrel and smooth plunger action for precise small-volume dosing.

Pack sizes: 5ml · Luer-Lock



Disposable Syringe 10ml

COMING SOON

Sterile single-use luer-lock syringe with wide graduated barrel — engineered for accurate larger-volume preparation and administration.

Pack sizes: 10ml · Luer-Lock

Partner With Us

Hospitals, distributors and healthcare providers — our export team responds within one business day.

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Kabul, Afghanistan — Headquarters & Manufacturing Facility

For healthcare professionals. All products to be prescribed and administered according to approved product information and clinical judgement.