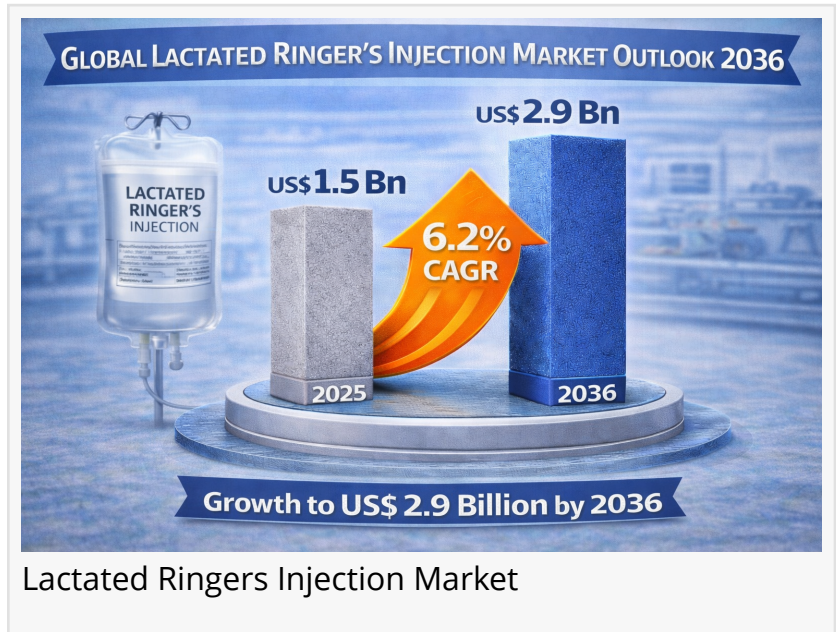


Lactated Ringers Injection Market to Reach US\$ 2.9 Billion by 2036 at 6.2% CAGR Growth | TMR

Global Lactated Ringers injection market to reach US\$2.9 Bn by 2036, driven by rising critical care demand and preference for balanced crystalloids.

WILMINGTON, DE, UNITED STATES, February 17, 2026 /EINPresswire.com/ -- The global [Lactated Ringers Injection market](#) is witnessing steady growth, driven by rising demand for balanced intravenous fluids in emergency care, surgery, trauma management, and critical care settings. According to the latest market outlook, the market was valued at US\$ 1.5 Bn in 2025 and is projected to reach US\$ 2.9 Bn by 2036, expanding at a CAGR of 6.2% from 2026 to 2036.



Growing adoption of evidence-based clinical guidelines favoring balanced crystalloids over normal saline, coupled with increasing hospital admissions and expansion of critical care infrastructure, is reshaping the global intravenous fluid therapy landscape.



Rising adoption of balanced IV fluids and evidence-based critical care practices is steadily driving global growth of the Lactated Ringers injection market."

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Market Overview

Lactated Ringers Injection—commonly referred to as Ringer’s lactate—is a balanced crystalloid solution widely used for fluid resuscitation, electrolyte replacement, and

maintenance therapy. It closely mimics the body’s plasma composition, making it suitable for

managing dehydration, trauma, burns, sepsis, and perioperative fluid requirements.

Unlike normal saline, Lactated Ringers Injection helps reduce the risk of hyperchloremic metabolic acidosis and supports improved physiological outcomes in critically ill patients.

The solution is extensively used across:

- Hospitals and emergency departments
- Surgical and perioperative care units
- Intensive care units (ICUs)
- Trauma and burn centers
- Outpatient and ambulatory care facilities

The increasing focus on patient safety, optimized fluid management, and improved clinical outcomes is driving consistent demand across both developed and emerging healthcare markets.

Key Market Growth Drivers

1. Rising Adoption of Balanced Crystalloids in Critical Care

Clinical evidence increasingly supports the use of balanced crystalloids such as Lactated Ringers over normal saline, particularly in sepsis, trauma, and perioperative care. Balanced solutions are associated with better acid-base balance, improved renal outcomes, and lower mortality rates in critically ill patients.

2. Growth in Surgical Procedures and Emergency Care

The rising volume of surgical procedures, trauma cases, and emergency admissions worldwide is driving demand for intravenous fluid therapy. Lactated Ringers Injection is routinely used for intraoperative fluid management and postoperative recovery, supporting hemodynamic stability and electrolyte balance.

3. Increasing Incidence of Sepsis and Critical Illness

Sepsis remains a major cause of hospital mortality globally. Fluid resuscitation is a cornerstone of sepsis management, and Lactated Ringers Injection is increasingly preferred due to its balanced electrolyte composition.

4. Advancements in Packaging and Formulations

Manufacturers are offering Lactated Ringers Injection in both PVC and non-PVC bags, addressing safety, compatibility, and environmental concerns. Innovations in sterile packaging, shelf-life extension, and ready-to-use formulations are enhancing product availability and ease of use across healthcare settings.

Analysts' Viewpoint

The global Lactated Ringers Injection market is demonstrating stable and sustained growth, supported by strong clinical evidence, expanding healthcare infrastructure, and rising adoption of best-practice treatment protocols. While the market is mature in developed regions, emerging economies continue to offer growth opportunities as access to emergency and critical care services improves.

North America and Europe are driven by evidence-based medicine and high healthcare spending, while Asia-Pacific, Latin America, and the Middle East are benefiting from expanding hospital networks and increasing investment in acute care services.

Analysis of Key Players in the Lactated Ringers Injection Market

The Lactated Ringers Injection market is moderately consolidated, with multinational pharmaceutical companies and regional manufacturers focusing on product quality, regulatory compliance, and supply reliability.

Leading companies include:

- B. Braun SE
- Becton, Dickinson and Company
- ICU Medical, Inc.
- Fresenius Kabi AG
- Baxter
- Pfizer Inc.
- Otsuka Pharmaceutical Factory, Inc.
- Shandong Qidu Pharmaceutical Co., Ltd.
- Hebei Kexing Pharmaceutical Co., Ltd.
- AdvaCare Pharma
- Merit Pharmaceutical
- TSUBAMEPharma
- Livealth
- Camvitaa
- Actiza Pharmaceutical Pvt. Ltd.

These companies are profiled based on parameters such as company overview, financial performance, product portfolio, manufacturing capacity, regulatory approvals, and recent developments.

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Key Developments in Lactated Ringers Injection Market

- May 2025: A study published in the Society of Critical Care Medicine journal reported that secondary analysis of the CLOVERS trial showed lower 90-day mortality (12.2% vs. 15.9%) and more hospital-free days among patients with sepsis-induced hypotension who received Lactated Ringers compared to saline.
- January 2025: A systematic review and meta-analysis published by Springer Nature concluded that balanced crystalloids, including Ringer's lactate, remain strongly preferred over saline for fluid resuscitation in pediatric septic shock.

Regional Outlook of Lactated Ringers Injection Market

Leading Region: North America

North America accounted for approximately 34.1% of the global market share in 2025, driven by the region's advanced healthcare infrastructure and widespread adoption of intravenous fluid therapy in hospitals and emergency care facilities.

Strong uptake of evidence-based clinical guidelines recommending balanced crystalloids in sepsis, trauma, and perioperative care is a key growth driver. The presence of leading pharmaceutical manufacturers, robust regulatory oversight, and availability of both PVC and non-PVC formulations further support market expansion.

Increased investments in critical care, emergency medicine, and outpatient surgical centers continue to reinforce North America's leadership position in the global Lactated Ringers Injection market.

Market Challenges

- Price pressure in cost-sensitive healthcare systems
- Supply chain disruptions affecting sterile injectable products
- Regulatory compliance requirements for injectable formulations
- Storage and logistics constraints in low-resource settings

Market Opportunities

- Expansion of Emergency & Critical Care Infrastructure — Growth in trauma centers and ICUs across emerging economies
- Shift Toward Evidence-Based Medicine — Continued replacement of normal saline with balanced crystalloids
- Emerging Market Penetration — Rising healthcare access in Asia-Pacific, Latin America, and Africa
- Non-PVC Packaging Demand — Increasing preference for safer and environmentally friendly IV bags
- Outpatient & Ambulatory Care Growth — Rising use of IV fluids beyond inpatient settings

Why Invest in the Lactated Ringers Injection Market Report?

- Long-term market forecasts through 2036
- Clinical and guideline-driven demand analysis
- Competitive benchmarking of global and regional manufacturers
- Regional growth trends and healthcare spending insights
- Application mapping across emergency, surgical, and critical care

Conclusion

The Lactated Ringers Injection market is positioned for sustained growth as healthcare systems worldwide prioritize evidence-based fluid resuscitation and patient safety. Supported by strong clinical data, expanding critical care infrastructure, and rising surgical volumes, the market is expected to reach US\$ 2.9 Bn by 2036.

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FAQs

1. What drives the Lactated Ringers Injection market?

Key drivers include increasing use of balanced crystalloids, growth in critical care and surgical procedures, and strong clinical evidence supporting improved outcomes.

2. Who are the leading players in the market?

Major players include B. Braun SE, Becton, Dickinson and Company, Baxter, Fresenius Kabi AG, Pfizer Inc., and others.

3. Which region leads the global market?

North America leads due to advanced healthcare infrastructure and strong adoption of evidence-based treatment protocols.

4. What are the major challenges?

Challenges include pricing pressure, regulatory compliance, and injectable supply chain constraints.

5. What opportunities exist in the market?

Opportunities include expansion of emergency care, rising sepsis incidence, growth in emerging markets, and increased use of non-PVC IV formulations.

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