

PakGent ESG Sustainability Report-2026

Advancing Life Sciences Through Sustainable Innovation

PakGent is committed to advancing scientific discovery and healthcare innovation through the development and manufacturing of high-quality laboratory consumables. As a trusted supplier of pipette tips, centrifuge tubes, cell culture consumables, PCR consumables, cryogenic vials, and related laboratory plastics, we recognize our responsibility to operate sustainably and ethically.

Our Environmental, Social, and Governance (ESG) strategy reflects our commitment to minimizing environmental impact, supporting scientific progress, fostering employee and community development, and maintaining the highest standards of corporate governance.

Through continuous innovation, responsible manufacturing, and customer-focused solutions, PakGent strives to become a leading sustainable partner for life science laboratories worldwide.

E — ENVIRONMENT

Environmental Responsibility

Our Commitment

As a manufacturer of laboratory plastic consumables, PakGent understands the importance of reducing environmental impact throughout the product lifecycle—from raw material sourcing and production to packaging and transportation.

We are committed to improving resource efficiency, reducing waste, and supporting laboratories in achieving more sustainable scientific research.

Sustainable Manufacturing

PakGent continuously invests in advanced manufacturing technologies to improve production efficiency and reduce environmental impact.

Key Initiatives

- Adoption of energy-efficient injection molding equipment
- Optimization of production processes to reduce electricity consumption
- Monitoring and management of water, energy, and compressed air usage
- Continuous improvement of manufacturing efficiency



Long-Term Goals

- Reduce energy consumption per unit produced
- Improve overall equipment efficiency
- Minimize manufacturing waste generation

Responsible Material Management

Product quality and sustainability begin with responsible material selection.

PakGent utilizes premium virgin polypropylene (PP), polystyrene (PS), and other high-purity materials to ensure product performance and reliability.

Environmental Focus

- Maximizing raw material utilization
- Reducing production scrap
- Improving molding precision
- Minimizing unnecessary material consumption

Sustainable Packaging

Packaging plays an important role in reducing environmental impact throughout the supply chain.

Key Actions

- Reducing excess packaging materials
- Optimizing carton dimensions for transportation efficiency
- Increasing the use of recyclable packaging materials
- Improving packaging design to reduce shipping volume

Benefits

- Lower transportation emissions
- Reduced packaging waste
- Improved logistics efficiency



Supporting Sustainable Science

PakGent products help laboratories reduce experimental failures and improve resource efficiency.

Examples Include

Low-Retention Pipette Tips

- Improve liquid recovery
- Reduce sample loss
- Minimize reagent waste

High-Purity PCR Consumables

- Reduce contamination risks
- Improve reproducibility
- Lower repeat-testing requirements

Metal-Free Centrifuge Tubes

- Suitable for ICP-MS and trace element analysis
- Minimize contamination risks
- Improve analytical reliability

Sterile Cell Culture Consumables

- Support contamination-free workflows
- Reduce failed experiments
- Improve laboratory productivity

By improving experimental success rates, PakGent products indirectly contribute to reducing laboratory resource consumption and waste generation.



S — SOCIAL

Social Responsibility

Our Commitment

PakGent believes that people are the foundation of sustainable growth. We are dedicated to supporting scientific advancement, employee well-being, customer success, and community development.

Advancing Scientific Innovation

PakGent products are widely used across multiple life science disciplines.

Research Areas Supported

- Molecular Biology
- Cell Biology
- Cell Therapy
- Gene Editing
- RNA Therapeutics
- Vaccine Development
- Biopharmaceutical Manufacturing
- Clinical Diagnostics
- Environmental Testing

Through reliable laboratory consumables, PakGent helps researchers generate accurate and reproducible scientific data.



Community Engagement

PakGent actively contributes to the scientific community through educational and collaborative initiatives.

Activities Include

- Scientific seminars and workshops
- Technical training programs
- Academic partnerships
- Industry conferences and exhibitions
- Knowledge-sharing initiatives

Our goal is to promote scientific education and support the next generation of researchers.

G — GOVERNANCE

Corporate Governance

Our Commitment

Strong governance provides the foundation for sustainable business growth. PakGent is committed to conducting business with integrity, transparency, accountability, and compliance.

Business Ethics

PakGent maintains a zero-tolerance policy toward unethical business practices.

Core Principles

- Integrity in all business activities
- Anti-corruption compliance
- Anti-bribery policies
- Fair competition
- Honest marketing and sales practices

We expect all employees, suppliers, and business partners to uphold these standards.



Regulatory Compliance and Quality Governance

As a supplier to life science laboratories worldwide, PakGent adheres to rigorous quality and regulatory requirements.

Compliance Focus

- ISO 9001 Quality Management Systems
- ISO 13485 Medical Device Quality Systems (where applicable)
- Product traceability systems
- Risk management procedures
- Continuous improvement programs

Our quality governance framework ensures product reliability, consistency, and compliance with customer expectations.

Supply Chain Responsibility

PakGent recognizes the importance of responsible supply chain management.

Key Objectives

- Supplier qualification and evaluation
- Quality assurance audits
- Sustainable sourcing practices
- Long-term supplier partnerships
- Supply chain risk management

We work closely with suppliers to ensure quality, compliance, and ethical business practices throughout the value chain.

Data Protection and Intellectual Property

Protecting customer information and proprietary technologies is essential to maintaining trust.

Governance Priorities

- Data security management
- Confidentiality protection
- Intellectual property protection
- Information security controls
- Compliance with applicable privacy regulations

PakGent is committed to safeguarding sensitive information and respecting intellectual property rights.



Risk Management

Effective risk management supports long-term business resilience.

Key Risk Areas

- Product quality risks
- Supply chain risks
- Regulatory risks
- Operational risks
- Information security risks

PakGent continuously evaluates and improves its risk management systems to support sustainable growth.

ESG Goals 2030

Environmental Goals

- Reduce energy consumption per unit produced
- Increase recyclable packaging utilization
- Improve manufacturing efficiency
- Minimize production waste

Social Goals

- Expand employee development programs
- Enhance workplace safety performance
- Strengthen customer satisfaction
- Increase scientific education initiatives

Governance Goals

- Strengthen global compliance systems
- Enhance supplier sustainability standards
- Improve risk management capabilities
- Maintain the highest ethical business standards



Our Vision

At PakGent, sustainability is not only about reducing environmental impact—it is about enabling better science, supporting healthier communities, and creating long-term value for customers, employees, partners, and society.

Through innovation, responsibility, and integrity, PakGent is committed to building a more sustainable future for life sciences worldwide.

