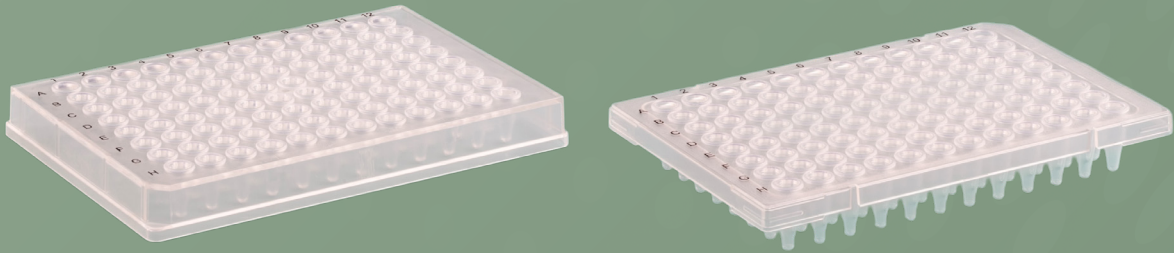


# Introducing the R-Frame Recycled PCR plate range

Sustainable. Reliable. High-Performance.



Looking for an eco-friendly solution without compromising quality? The R-Frame RECYCLED PCR Plate Range is here to satisfy those requirements. Made from **Post-Consumer Recycled (PCR)** plastics, the R-Frame provides the same **precision, durability, and compatibility** as traditional PCR plates—while significantly reducing plastic waste and your carbon footprint!

## Sustainable Design for a Greener Lab

**Rigid Transparent Frame:** Made from 90% post-consumer recycled (PCR) polycarbonate.

**PCR Wells:** Ultra thin walls made using virgin medical-grade polypropylene to ensure proper heat transfer and sample integrity.

**Format:** 96-well plates available in multiple formats to suit diverse applications and compatibility.

**Automation Friendly:** Designed for high-throughput workflows and robotic systems.

## Why Choose R-Frame?

- ✓ Eco-Friendly Innovation – reduces carbon footprint by 70% compared to virgin-grade polycarbonate.
- ✓ Superior Performance – Ensures consistent and reliable results for PCR & qPCR applications.
- ✓ Universal Compatibility – a plate in the range to suit almost all thermal cyclers and automated platforms.
- ✓ Sustainable Science – Supports green lab initiatives while maintaining efficiency.

Part no.	Description
RFC-1001	<b>R-Frame RECYCLED 96 Well PCR Plate</b> , Fully Skirted with H1 cut corner, Clear Low Profile Low Bind wells, Clear Rigid Frame, 50 plates per box
RFC-1002	<b>R-Frame RECYCLED 96 Well PCR Plate</b> , Fully Skirted with H1 cut corner, White Low Profile Low Bind wells, Clear Rigid Frame, 50 plates per box
RFC-1022	<b>R-Frame RECYCLED 96 Well PCR Plate</b> , Semi-Skirted, Roche style with H12 cut corner, White Low Profile Low Bind wells, Clear Rigid Frame, 50 plates per box
RFC-1031	<b>R-Frame RECYCLED 96 Well PCR Plate</b> , Semi-Skirted, Universal style with H1 cut corner, Clear Standard Profile Low Bind wells, Clear Rigid Frame, 50 plates per box
RFC-1032	<b>R-Frame RECYCLED 96 Well PCR Plate</b> , Semi-Skirted, Universal style with H1 cut corner, White Standard Profile Low Bind wells, Clear Rigid Frame, 50 plates per box
RFC-1041	<b>R-Frame RECYCLED 96 Well PCR Plate</b> , Semi-Skirted, ABI style with A12 cut corner, Clear Standard Profile Low Bind wells, Clear Rigid Frame, 50 plates per box
RFC-1042	<b>R-Frame RECYCLED 96 Well PCR Plate</b> , Semi-Skirted, ABI style with A12 cut corner, White Standard Profile Low Bind wells, Clear Rigid Frame, 50 plates per box

\*R-Frame 384-well plates are in development.

## Reduce. Reuse. Recycle. R-Frame.

# Why are PCR materials more environmentally friendly than virgin polymers?

Using an R-frame PCR plate, made from **Post-Consumer Recycled (PCR) Polycarbonate (PC)** over Virgin Polycarbonate (PC) has several advantages, particularly in terms of sustainability and environmental impact. Here is why you should choose the R-frame:

## Environmental Benefits

- **Reduces Plastic Waste:** PCR PC is made from recycled plastic waste (e.g., old electronics, water bottles, food packaging), helping divert plastic from landfills and oceans.
- **Lower Carbon Footprint:** Producing PCR PC typically uses less energy and emits fewer greenhouse gases compared to virgin PC production.

## Resource Conservation

- **Reduces Dependency on Fossil Fuels:** Virgin PC is derived from petroleum-based raw materials. Using recycled content decreases the need for new fossil resources.
- **Preserves Natural Resources:** Helps conserve raw materials that would otherwise be extracted for new plastic production.

## Regulatory & Corporate Sustainability Goals

- Many governments and industries are pushing for higher recycled content in products to meet sustainability regulations (e.g., EPEAT, RoHS, and LEED certifications).
- Companies are increasingly adopting circular economy models. Purchasing a PCR plate made from such materials achieves this goal and ESG (Environmental, Social, and Governance) commitments.

## Consumer reputation

- Sustainability is fast becoming a key purchasing factor. In an industry dominated by single use plastics, this is just one way to reduce your environmental impact.

## Performance & Quality Considerations

- Advances in recycling technology have improved the quality and mechanical properties of PCR PC, making it comparable to virgin PC in many applications.

