



Bringing Innovation to Immunization

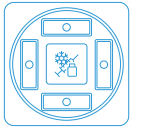


TRIMURTI PLAST CONTAINERS

Manufacturer & Exporter of
Vaccine Cold Chain Equipment

Vaccine Cold Chain

Trusted Technology with
Proven Performance



Safeguarding Vaccines, Supporting Vaccination

According to the World Health Organization, the number of children missing out on any vaccination improved from 18.1 million in 2021 to 14.3 million in 2022.



Though these figures are encouraging, it is also true that nearly 20 million infants each year have insufficient access to vaccines. This ground reality points to a lack of access to immunization and other health services, especially in African and Asian countries.

Critical to the success of any immunization program is Cold Chain equipment, which helps maintain the vaccines at an ideal temperature and prevent their spoilage during storage and transportation.

At Trimurti Plast Containers PVT. LTD. (TPCPL), we acknowledge the power of vaccines to fight disease and save lives. We work passionately and contribute to global immunization initiatives by manufacturing high-performance Ice Packs and Vaccine Carriers.

As Immunization Agenda 2030 sets an ambitious, overarching global vision and strategy for vaccines and immunization for the decade 2021-2030, we, at TPCPL, are committed to bringing success to these inspired humanitarian initiatives.

Safe and effective vaccination is, after all, at the heart of every immunization program.

Touching a Billion Lives with Breakthrough Technology



“There cannot be any compromise when it comes to immunization, since every child deserves a disease-free life.”

This cherished ideology has been the driving force of our exemplary product performance at TPCPL. We partner with the leading vaccine manufacturers, Non Profit Organizations, Public Health agencies, and Health Ministries of various nations to bring success to their vaccination drives through our hi-end Cold Chain equipment.

Genesis and growth

Little did we know that our enterprise, which started operations in a basement, would one day flourish as a manufacturer and exporter of world class Cold Chain equipment. Starting out in 1985 as a producer of high quality Plastic Bottles, Cans, and Jars, we were constantly exploring possibilities to take a quantum leap.

Making a mark in medical refrigeration

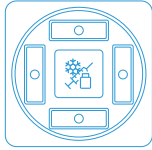
The turning point came in 1990 when we became one of the handful few suppliers of Ice Packs to Serum Institute of India, who were then looking for a solution for vaccine transportation.

Enthused by this success, we relocated and upgraded our setup with the latest machinery in Injection Moulding, Blow Moulding, and PU Filling. Our spacious, new-age production facility with huge installed capacity is fully equipped to deliver superior packaging solutions to clients across multiple industry verticals.

Staying at the forefront of cold chain equipment manufacturing

New born babies and growing kids across the world need vaccines to stay free from disease. However, rolling out an immunization program has multifaceted challenges. We understand the on-field practical difficulties encountered by our partners/clients and work towards providing safe and effective solutions. Dedicated R&D, together with continuous quality improvement, has enabled us to stay at the forefront of Cold Chain technology. Manufactured as per stringent WHO standards and specifications, our world class Ice Packs and Vaccine Carriers live up to the exacting demands of the Pharmaceutical and Immunization industries.

Our cherished journey has now crossed several major milestones of accomplishment. Indeed, the watershed moment for us came in 2020, when we partnered with SERUM INSTITUTE OF INDIA for facilitating the transportation of COVID-19 vaccines across the world.



Creating New Benchmarks in Freeze-preventive Vaccine Carrier Manufacturing

Brand Promise

We are committed to enhancing customer happiness through superior quality, prompt service, and continual improvement in our Quality Management System.

Our Vision

To carry forward the heritage of the organization and become a world class company acclaimed for our exceptionally high standards and our products of topmost quality, dedicating ourselves to our customers' demands and expectations.

Core Values

Integrity, Perseverance, Determination, Innovation, and Respect are the cherished principles that guide and inspire us in our work at all times.

Stewardship that Spells Success

Under the visionary and dynamic leadership of our **Founder & MD, Mr. Raj Mirje**, TPCPL is scripting a success saga marked by accelerated growth and worldwide acceptance. Mr. Raj Mirje is ably supported by core team members **Mr. Rajesh Patwardhan** (Director, International Sales & Business), **Mrs. Shailaja Mirje** (Director, Operations), and **Mr. Kedar Mirje** (Director, Exports), each of whom is an astute leader gifted with sharp business acumen and a penchant for creating value for customers.



The Extraordinary Begins Where the Ordinary Ends...

Robust R & D

Innovation springs to life at our dedicated R&D unit, where Kaizen and other quality frameworks are applied to develop and manufacture better products. It's supported by an In-house Laboratory with all necessary testing equipment that helps us study, analyze, and further improve the quality of our products.

State-of-the-art Setup

Putting the concept of 'lean manufacturing' into practice, our modern manufacturing facility in Pune, India, is a high-tech production plant that meets QMS ISO 9001:2015 and ISO 13485: 2016 standards.

PQS Compliant

Quality is the bedrock of our business. All our Cold Chain equipment are designed and manufactured in conformity with the World Health Organization's standards of Performance, Quality, and Safety (PQS).

Sustainability Commitment

As a responsible corporate player committed to preserving our planet's ecology, we ensure our business operations do not negatively impact the environment in any way whatsoever.

Best Practices

We adhere to all pharmaceutical industry protocols for safety and reliability.

Cross-industry Expertise

We work with a problem-solving approach; our innovative Packaging Solutions fulfils the needs of multiple markets, including the Pharmaceutical, Health & Immunization, Agrochemical, FMCG, and Petrochemical industries.





Vaccine Carriers

Ensuring Vaccine Effectiveness during Storage and Transportation

Vaccines are life savers, provided they are maintained at the right temperature... Backed by intense R&D, and developed using best-of-breed technology, our Vaccine Carriers are a boon for public health agencies and their on-field volunteers. Designed to preserve vaccine potency, these units have demonstrated total reliability at remote sites, even in difficult terrain and harsh climate.



Freeze Free Vaccine Carrier TPVC 46 LFF

Reaching the Next Level in Vaccine Integrity

TPVC 46 LFF symbolizes the cutting edge in vaccine carrier technology. Signifying an advanced solution for vaccine storage and transportation, this Carrier is designed to maintain the requisite temperature range (typically between 2°C and 8°C) for vaccines without the need for conditioning of Ice Packs. It utilizes innovative technology such as phase-change materials (PCMs) that absorb or release heat to maintain a stable temperature over an extended period.



| 1.5 L Freeze Free Vaccine Carrier (TPVC 46 LFF) | |
|-------------------------------------------------|--------------------------------------|
| Properties | Values |
| Type Vaccine Carrier | Freeze Free Vaccine Carrier |
| Range | Long Range |
| Vaccine Storage (L) | 1.5 Liters |
| Vaccine Storage Dimensions | 94 mm (L) X 94 mm (W) X 170 mm (H) |
| Weight Fully Loaded | 7.90 KG |
| Weight Empty | 3.97 KG |
| External Dimensions | 310 mm (L) X 310 mm (W) X 305 mm (H) |
| Cold Life at +43 Degree | 30. 48 hrs |
| Warm Life at -20 Degree | 16.28 hrs |
| Model Coolant-Pack | TIP-6 (0.6L) |
| Vaccine Carrier Construction | HDPE & HIPS |
| Testing Laboratory | Intertek India |
| Test Report Reference | CE-JOB-NDA-22-001981-001 |
| WHO PQS Code | E004/006 |
| CE | Certified |

Design Excellence

Robust, shock-resistant casing for protection against accidental bumping/dropping

Compact and lightweight model for easy carrying and handling

Enhanced Insulation

Optimum insulation and extended temperature stability owing to the CFC-free polyurethane foam injected into the unit's double walls

Exclusive Feature

Assured freeze protection for temperature-sensitive vaccines



Vaccine Carrier

TPVC 46

The Safety Shield for Life-saving Vaccines

TPVC 46 has found wide acceptance within the Immunization industry owing to its superior design and exceptional on-field performance. Owing to its increased carrying capacity, this unit proves to be highly helpful for longer and larger immunization programs.



In compliance with
WHO guidelines



3.4 L Vaccine Carrier (TPVC 46)

| Properties | Values |
|------------------------------|--------------------------------------|
| Type Vaccine Carrier | Vaccine Carrier |
| Range | Long Range |
| Vaccine Storage (L) | 3.4 Liters |
| Vaccine Storage Dimensions | 135 mm (L) X 135 mm (W) X 192 mm (H) |
| Weight Fully Loaded | 5.80 KG |
| Weight Empty | 2.80 KG |
| External Dimensions | 298 mm (L) X 298 mm (W) X 342 mm (H) |
| Cold Life at +43 Degree | 47.20 hrs |
| Model Coolant-Pack | TIP-6 (0.6L) |
| Vaccine Carrier Construction | HDPE & HIPS |
| Testing Laboratory | Intertek India |
| CE | Certified |

Design Excellence

Robust, shock-resistant casing for protection against accidental bumping/dropping

Compact and lightweight model for easy carrying and handling

Enhanced Insulation

Optimum insulation and extended temperature stability owing to the CFC-free polyurethane foam injected into the unit's double walls

Exclusive Feature

Reliable support for longer & larger immunization initiatives



Ice Packs

Facilitating Safe and Efficient Vaccination with Our Ice Pack Range

A cold chain failure can result in damaged and ineffective vaccines, financial loss from vaccine wastage, and above all, erosion of trust in the immunization program.

At TPCPL, we manufacture an array of Ice Packs that facilitate in temperature-regulated storage and transport of vaccines, drugs, and chemicals, thus playing a vital role in bringing desired results to immunization programs.

Ice Pack 0.3 L (TIP-3)

Ice Pack 0.4 L (TIP-4)

Ice Pack 0.6 L (TIP-6)



| IcePack 0.3 L (TIP-3) | |
|-------------------------|--------------------------|
| Properties | Values |
| Capacity | 0.3 L |
| External Dimension | 162 x 88 x 33 mm |
| Water Pack Construction | HDPE |
| Weight empty | 77 Grams |
| Weight filled: | 377 Grams |
| Test report | CE-JOB-NDA-22-000691-001 |
| WHO PQS Code | E005/027 |
| CE | Certified |



| IcePack 0.4 L (TIP-4) | |
|-------------------------|--------------------------|
| Properties | Values |
| Capacity | 0.4 L |
| External Dimension | 164 x 94 x 33 mm |
| Water Pack Construction | HDPE |
| Weight empty | 77 Grams |
| Weight filled: | 427 Grams |
| Test report | CE-JOB-NDA-22-000691-002 |
| WHO PQS Code | E005/026 |
| CE | Certified |



| IcePack 0.6 L (TIP-6) | |
|-------------------------|--------------------------|
| Properties | Values |
| Capacity | 0.6 L |
| External Dimension | 190 x 120 x 35 mm |
| Water Pack Construction | HDPE |
| Weight empty | 110 Grams |
| Weight filled: | 680 Grams |
| Test report | CE-JOB-NDA-22-000691-003 |
| WHO PQS Code | E005/025 |
| CE | Certified |

Cold Gel Ice Packs

300 ml Cold Gel Ice Pack

500 ml Cold Gel Ice Pack

700 ml Cold Gel Ice Pack



| 300 ml Cold Gel Icepack | |
|-------------------------|-------------------------|
| Properties | Values |
| Size / Capacity | 300 ml |
| Brand | TPCPL |
| Material | HDPE |
| size | 190 X 85 X 20mm |
| Temperature | -2 to -8 Degree Celsius |
| Cold Time(hr) | 72-84 hrs |
| CE | Certified |



| 700 ml Cold Gel Icepack | |
|-------------------------|-------------------------|
| Properties | Values |
| Size / Capacity | 700 ml |
| Brand | TPCPL |
| Material | HDPE |
| size | 268 X 148 X 22mm |
| Temperature | -2 to -8 Degree Celsius |
| Cold Time(hr) | 72-84 hrs |
| CE | Certified |



| 500 ml Cold Gel Icepack | |
|-------------------------|-------------------------|
| Properties | Values |
| Size / Capacity | 500 ml |
| Brand | TPCPL |
| Material | HDPE |
| size | 210 X 148 X 22mm |
| Temperature | -2 to -8 Degree Celsius |
| Cold Time(hr) | 72-84 hrs |
| CE | Certified |



"Immunizations are a gift we of protection we can give to ourselves and to future generations."



Our Role in World Immunization During the COVID-19 Pandemic

With humility in our heart, we would like to share that we have played an instrumental role in the transportation of vaccines across the world during the pandemic breakout by supplying Ice Packs to India's leading vaccine makers.

Partners in Our Progress

The repeat business we gain from our clients, year after year, is a testament to their trust in our abilities. We take pride in serving the world's leading public health agencies, acclaimed vaccine manufacturers, and innovative pharma companies that value product excellence.





Trimurti Plast Containers Pvt. Ltd.

AN ISO 9001-2015 CERTIFIED COMPANY

Regd. off : Krishna, 31/833, Ganeshnagar, Dhankawadi, Pune - 411 043, Maharashtra (India)

Factory : Unity Industrial Estate, Dhayari, Tal. Haveli, Dist. Pune - 411 041

☎ +91 20 2951 6344

Raj Mirje

Rajesh Patwardhan

☎ +91 20 2951 6444

☎ +91 98220 22312

☎ +91 98331 40603

✉ sales@tpcpl.net

✉ raj@tpcpl.net

✉ exports@tpcpl.net

🌐 www.tpcpl.co.in

Our Range of Specialty Packaging Solutions:

🧴 Pharmaceutical

❄ Cold Chain

🧪 Agrochemical

💧 Cosmetic

💧 Lubricants

