

FOR COVID-19 VACCINES SHIPPING & STORAGE
at -20°C and between 2°C and 8°C
DURING 3 DAYS OR 5 DAYS

Certis®

U N I V E R S A L

SONOCO
THERMOSAFE®

laminarmedica®
insulated shipping systems



ONE-WAY UNIVERSAL SOLUTIONS

Optimized to provide the lowest total cost of ownership

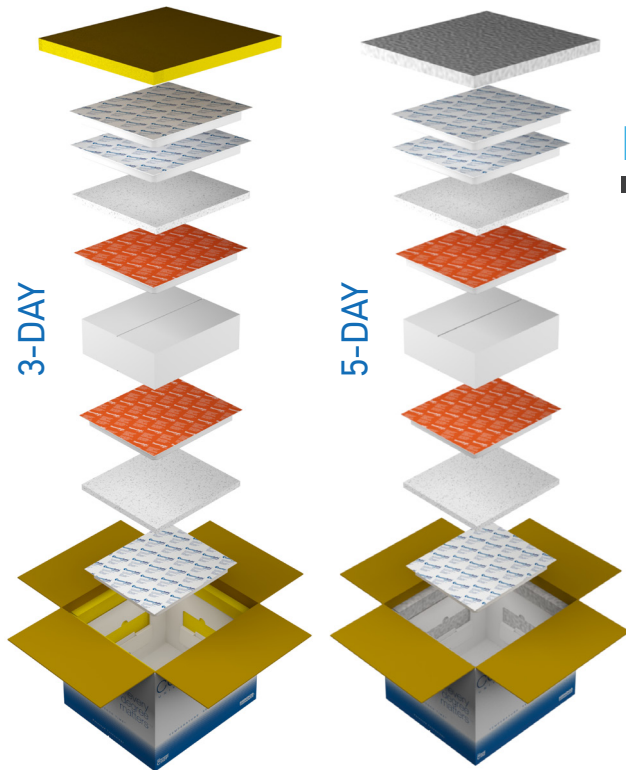
Our Certis brand of premium shippers are ideal for one-way shipments of pharmaceutical products across summer or winter seasons while utilizing the same pack-out for refrigerated, CRT and frozen solutions for 2 day, 3 day and 5 day durations.

The Certis Platform of shippers are designed to offer operational efficiency and ease of personnel training using ZERO Bench-Time® technology and same pack-out configuration across temperature ranges. These shippers optimize inventory and provide lowest total cost of ownership by maximizing the number of solutions while minimizing the number of components used across multiple temperature ranges and durations.



CERTIS PLATFORM

OPERATIONAL EFFICIENCY *REDEFINED*

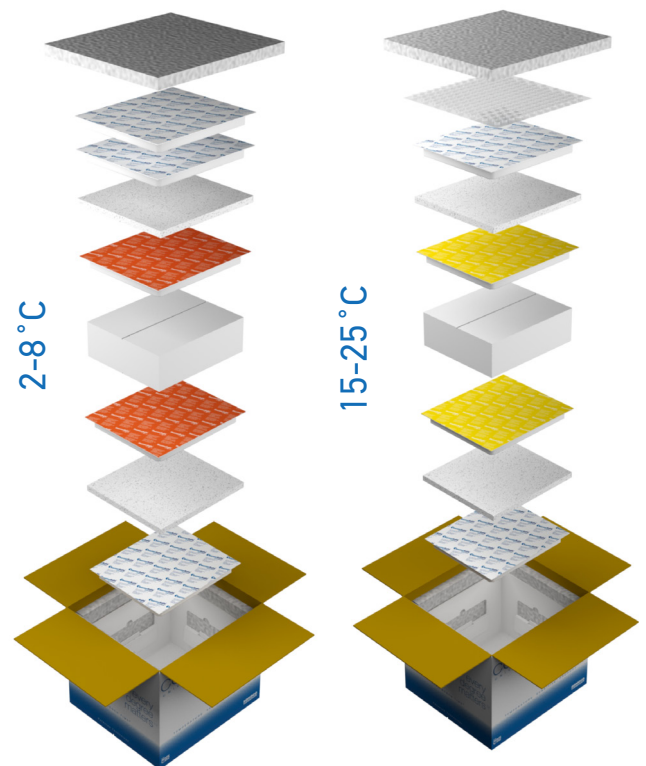


EMBRACE SIMPLE®

- Same pack-out configuration across 3 day and 5 day durations
- Simply change the outer insulated shipper to switch between 3 day shipments and 5 day shipments across temperature ranges
- All shippers are pre-qualified in triplicate to ISC Global™, ISC Silver® or ISC Regional™ ambient profiles

EASE OF PERSONNEL TRAINING

- Mistake-proof pack-out with color coded PCMs for Refrigerated (Amber) and CRT (Yellow)
- Switch between Refrigerated and CRT solutions by swapping amber and yellow bricks while keeping the same configuration for the specific payload



**SOLUTIONS TO END
THE
COVID-19 PANDEMIC**

THE LIFESPAN OF A MODERNA COVID-19 VACCINE UNFROZEN FROM -20°C IS 30 DAYS

3-5 DAY CERTIS PLATFORM

4

PAYLOADS

8

SHIPPERS

24

SOLUTIONS



6L

14L

26L

56L

PAYLOAD DIMS	[in]	10.8 x 9.3 x 3.5	9.0 x 9.0 x 10.5	15.0 x 10.8 x 9.8	23.8 x 15.5 x 9.3
	[mm]	273 x 235 x 89	229 x 229 x 267	381 x 273 x 248	603 x 394 x 235

3 DAY SOLUTIONS

OUTER DIMS	[in]	18.1 x 16.8 x 16.4	19.0 x 19.0 x 18.6	23.9 x 22.6 x 21.2	32.6 x 27.5 x 22.5
	[mm]	460 x 425 x 416	483 x 483 x 473	607 x 575 x 538	829 x 699 x 572
DIM WEIGHT	[lb]	29.9	40.5	69.0	121.6
	[kg]	13.6	18.4	31.3	55.3
2-8°C		C6R3	C14R3	C26R3	C56R3
15-25°C		C6C3	C14C3	C26C3	C56C3
<-20°C		C6F3	C14F3	C26F3	C56F3

5 DAY SOLUTIONS

OUTER DIMS	[in]	15.6 x 14.3 x 13.8	17.6 x 17.6 x 17.6	21.3 x 20.3 x 19.6	30.3 x 25.1 x 20.1
	[mm]	395 x 363 x 349	448 x 448 x 446	540 x 514 x 499	768 x 638 x 511
DIM WEIGHT	[lb]	18.4	32.9	50.9	92.1
	[kg]	8.4	14.9	23.1	41.9
2-8°C		C6R5	C14R5	C26R5	C56R5
15-25°C		C6C5	C14C5	C26C5	C56C5
<-20°C		C6F5	C14F5	C26F5	C56F5

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ISC LABS

DESIGN & TESTING

ISC Labs® has a specialized focus on engineering and testing services to provide optimized temperature assurance packaging solutions for each customer's specific needs.

Industry-leading thermal modeling capabilities enable rapid development of highly optimized custom solutions. Multiple design alternatives are presented to allow each customer the ability to easily analyze their options. Materials including EPS, PUR, VIP, high impact polyethylene and phase change materials are prototyped as necessary.

Thermal testing is accompanied by distribution testing to prove each temperature assurance packaging solution not only maintains temperature control, but also withstands the rigors of distribution.

Laboratory and engineering staff work with clients throughout all phases of the packaging development and testing process. Engineering professionals review test progress, develop modifications, and recommend alternative approaches to ensure the valuable vaccines maintain their temperature requirements during each stage of the "cold chain."

Our goal is to ensure the safe delivery of the COVID-19 vaccines to the population all over the world in cities and countryside. Together we will eliminate the pandemic .

About ThermoSafe

Sonoco ThermoSafe, a unit of Sonoco, is the leading global provider of temperature assurance packaging for the safe and efficient transport of dry ice, pharmaceuticals, biologics, vaccines and other temperature sensitive products. Sonoco ThermoSafe shipping solutions mitigate risk for our customers and ensure product efficacy throughout the extremes of a supply chain. With operations in North America, Europe, Asia and South America, the Company has a vast product offering featuring leading technology that encompasses refrigerated, frozen or controlled room temperature applications.

In addition, Sonoco ThermoSafe's ISC Labs® design and testing services deliver individualized and innovative packaging solutions along with qualification and validation services to meet all regulatory requirements.

About Sonoco

Founded in 1899, Sonoco is a \$5 billion global manufacturer of industrial and consumer products and provider of packaging services, with more than 300 operations in 35 countries, serving customers in some 85 nations. Sonoco is a proud member of the Dow Jones Sustainability World Index. .

SONOCO

THERMOSAFE®

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The durable Insulated containers are manufactured in Illinois USA.