

# Temperature Security for Healthcare

Smart temperature-controlled ISTA 7D pre-validated packaging solutions for transporting biologics.



### Custom Design

Packaging solutions are designed with an ideal weight-to-volume ratio to effectively minimize shipping cost.



### Tested for Compliance

All packaging solutions are validated to ISTA summer and winter profiles to minimize the risk of temperature-related rejection.



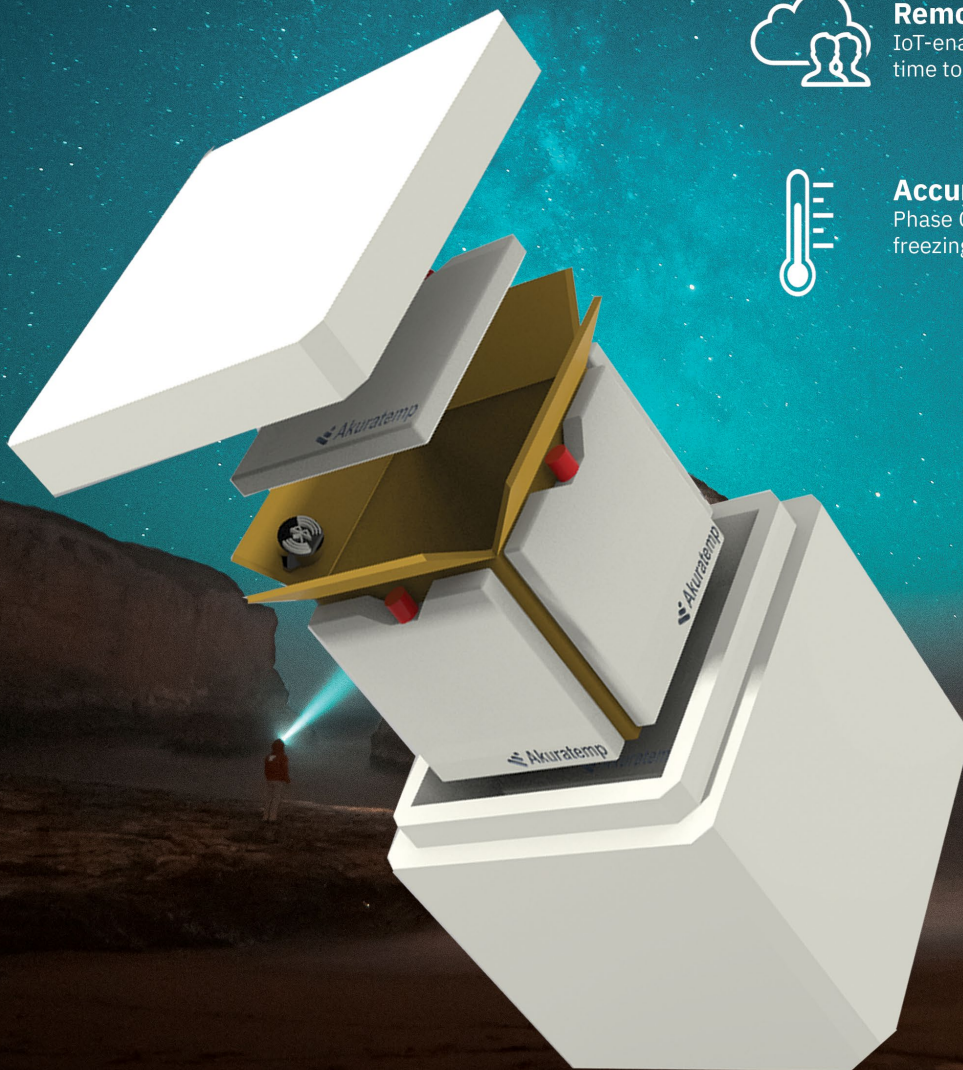
### Remote Real-time Monitoring

IoT-enabled temperature monitoring in real time to display on cloud-based software.



### Accurate Temperature Control

Phase Change Technology protects from freezing or overheating during transportation.



Application	Model	Dimensions		Weight (Lbs)		Holdover Time (Hrs)	
		Payload	OD	Gross Weight	Dim. Weight	Summer	Winter
<b>Multi-use Specimen Shippers (Winter)</b>							
Protect specimens collected in 1ml to 10ml vials from over-cooling during transportation. Validated per ISTS7D winter profiles.							
CRT (above 15°C)	ATS1-4V48H-15P	4x10ml Vial	12"x8"x8"	5	6	NA	48hrs
CRT (above 15°C)	ATS3-4V30H-15P	4x10ml Vial	8"x7"x5"	2	3	NA	30hrs
AMB (above +2°C)	ATS3-4V48H-02P	4x10ml Vial	8"x7"x5"	2	3	NA	48hrs
<b>Multi-use Specimen Shippers (Winter and Summer)</b>							
Protect specimens collected in 1ml to 10ml vials from over-cooling and over-heating during transportation. Validated per ISTS7D summer and winter profiles.							
FRZ (below -0°C)	ATS3-4V16H-10N	4x10ml Vial	8"x7"x5"	2	3	16hrs	NA
FRZ (below -0°C)	ATS5-8V30H-10N	8x10ml Vial	10"x 8"x8"	4	6	30hrs	NA
REF (2°C to 8°C)	ATS3-4V12H-08P	4x10ml Vial	8"x7"x5"	2	3	12hrs	48hrs
REF (2°C to 8°C)	ATS5-8V23H-08P	8x10ml Vial	10"x 8"x8"	3	6	23hrs	48hrs
CRT (+15°C to +25°C)	ATS3-4V20H-25P	4x10ml Vial	8"x7"x5"	4	6	20hrs	20hrs
CRT (+15°C to +25°C)	ATS5-8V40H-25P	8x10ml Vial	10"x 8"x8"	4	6	40hrs	44hrs
<b>Multi-use Parcel Shippers (Winter and Summer)</b>							
Protect frozen biologics during shipping without use of Dry Ice. Validated per ISTA7D summer and winter profiles.							
FRZ (below -0°C)	ATS7S-8L48H-10N	8"x8"x8"	15"x15"x15"	18	25	48hrs	NA
FRZ (below -20°C)	ATS7S-8L24H-20N	8"x8"x8"	15"x15"x15"	18	25	24hrs	NA
FRZ (below -20°C)	ATS7M-16L32H-20N	10"x10"x10"	18"x18"x18"	33	42	32hrs	NA
FRZ (below -20°C)	ATS7L-28L48H-20N	12"x12"x12"	21"x21"x21"	70	67	48hrs	NA
FRZ (below -20°C)	ATS7XL-38L55H-20N	14"x14"x12"	23"x23"x23"	92	92	55hrs	NA
Protect refrigerated biologics during shipping from over-cooling and over heating. Validated per ISTA7D summer and winter profiles.							
REF (2 to 8°C)	ATS7S-5L48H-08P	8"x8"x5"	15"x15"x15"	21	25	48hrs	48hrs
REF (2 to 8°C)	ATS6L-7L72H-08P	9"x9"x5"	20"x20"x20"	39	58	72hrs	72hrs
REF (2 to 8°C)	ATS6XL-7L140H-08P	9"x9"x5"	23"x23"x23"	46	88	140hrs	NA
REF (2 to 8°C)	ATS7S-8L30H-08P	8"x8"x8"	15"x15"x15"	18	25	30hrs	64hrs
REF (2 to 8°C)	ATS7M-16L48H-08P	10"x10"x10"	18"x18"x18"	26	42	72hrs	48hrs
REF (2 to 8°C)	ATS7L-28L72H-08P	12"x12"x12"	21"x21"x21"	49	67	72hrs	72hrs
REF (2 to 8°C)	ATS7XL-38L56H-08P	14"x14"x12"	23"x23"x23"	65	88	56hrs	72hrs
Protect room temperature biologics during shipping from over-cooling and over-heating. Validated per ISTA7D summer and winter profiles.							
CRT (+15°C to +25°C)	ATS7S-8L72H-25P	8"x8"x8"	15"x15"x15"	18	25	72hrs	72hrs
CRT (+15°C to +25°C)	ATS7M-16L48H-25P	10"x10"x10"	18"x18"x18"	26	42	72hrs	48hrs
CRT (+15°C to +25°C)	ATS7L-28L72H-25P	12"x12"x12"	21"x21"x21"	49	67	72hrs	72hrs
CRT (+15°C to +25°C)	ATS7XL-44L48H-25P	14"x14"x14"	23"x23"x23"	66	88	96hrs	48hrs

Product Catalog/ 032023-06

Akuratemp LLC, an ISO9001:2015 operation for design and assembly of temperature-controlled packaging systems develops solutions with optimal weight-to-volume ratios to reduce shipping costs and enhance reliability of temperature control. High latent heat PCM technology with highly insulative polyurethane foam are the foundations of our reliable and reusable packaging systems. A cloud based IoT enabled temperature monitoring system can be easily incorporated to provide end-to-end cold chain traceability.