Intelsius Label Guide – Using ORCA as Temperature Controlled Overpacks for PathoPak

What Are Temperature Controlled Overpacks?

Intelsius manufacture and supply PathoPak systems which are tested and certified to transport UN Class 6.2 infectious substances. If these Category A or Category B systems require temperature control during transit it is necessary to use a suitable temperature-controlled packaging solution to ensure sample integrity.

A temperature-controlled overpack in this instance is Intelsius ORCA, a range of high-performance packaging systems which utilise vacuum insulation panels (VIPs) and phase change materials (PCMs) to provide high quality thermal protection for your payload.

How Do I Ensure I Label Everything Correctly?

Intelsius supply labels with PathoPak systems as standard to correctly label these for transit. For the use of ORCA as a temperature controlled overpack you will need the Intelsius multi label sheet.

It is important to note that any labels present on the PathoPak must also be replicated on the outer ORCA system to ensure that the materials are transported in a safe and compliant way. In addition to this the ORCA system must also be labelled with the 'overpack' sticker which is part of the multi label sheet.

Packing Category B Samples (UN3373)

PathoPak : Pack your samples into the PathoPak as per the instructions provided, ensuring that if you are sending glass primaries they are wrapped individually in bubble wrap.

*1L PathoPak used for illustrative purposes.

Complete the *To/Consignee, From/Consignor* on the rear of the PathoPak box and the *NETT QTY, NAME & TELEPHONE NUMBER OF RESPONSIBLE PERSON* information on the side of the PathoPak box.

Box Rear
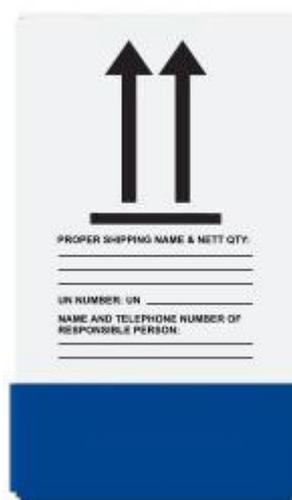
Box Side

ORCA : Prepare your ORCA as per the supplied packing instructions for your desired temperature range. Using the multi label sheet adhere the *Overpack* and *UN3373* Labels to the ORCA outer case.

Overpack Label

UN3373 Label Set

Apply this label to the front of the box set at 45° so that the label appears as a diamond and UN3373 is horizontal. Apply the "Biological Substance, Category B" label adjacent to the UN3373 diamond.

Category B ORCA Overpack Ready to Ship

Correctly Labelled Category B
ORCA Multi-Use Overpack

Correctly Labelled Category B
ORCA Single-Use Overpack

Using Dry Ice as Coolant for Category B Samples

If you are using dry ice as your coolant and not PCM panels you will also need to apply the *Dry Ice* Labels to the ORCA system as well.

Dry Ice Label Set

Apply the Class 9 label to the box set at 45° so that the label appears as a diamond and the <u>9</u> is in the lowest point of this diamond.
Apply the 'DRY ICE AS COOLANT' Label near the Class 9 label.
Apply the UN1845 label near the Class 9 label. Fill in the blank part of the label with the weight of dry ice in kg.

Category B ORCA Dry Ice Overpack Ready to Ship

Correctly Labelled Category B ORCA Multi-Use Dry Ice Overpack

Correctly Labelled Category B ORCA Single-Use Dry Ice Overpack

The Intelsius label sheet is a convenient way of ensuring that all the necessary labels are provided to you for shipment. <u>You may not need to label your shipment with all of the labels to be compliant.</u> This guide is designed to give you basic instructions of when to apply each label. DGP Intelsius is not liable for the refusal/delay of any shipment for incorrectly labelled systems when using this guide. <u>It is the responsibility of the consignor/sender to ensure that all packagings are prepared and labelled correctly. Should you require further advice please contact your Dangerous Goods Safety Advisor (DGSA).</u>

Packing Category A Samples (UN2814 or UN2900)

PathoPak : Pack your samples into the PathoPak as per the instructions provided, ensuring that if you are sending glass primaries they are wrapped individually in bubble wrap.

Use the Class 6.2 label provided to cover the pre-printed UN3373 diamond and accompanying text as shown below*.

BEFORE

AFTER

*1L PathoPak used for illustrative purposes. UN3373 markings on 2L and 3L PathoPaks should be completed in the same way.

Complete the *To/Consignee, From/Consignor* on the rear of the PathoPak box and the *Proper Shipping Name, UN Number, NETT QTY, NAME & TELEPHONE NUMBER OF RESPONSIBLE PERSON* information on the side of the PathoPak box.

Box Rear

Box Side

ORCA : Prepare your ORCA as per the supplied packing instructions for your desired temperature range. Using the multi label sheet adhere the *Overpack* and *Class 6.2* Labels to the ORCA outer case.

Overpack Label

Class 6.2 Label Set
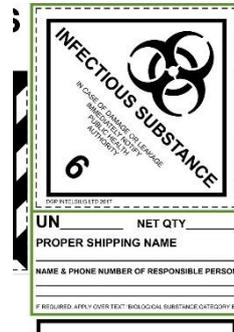
Apply the large square label to the box set at 45° so that the label appears as a diamond and the 6 is in the lowest point of this diamond.

Fill in the second part of this label with the correct information *Proper Shipping Name, UN Number, NET QTY, NAME & TELEPHONE NUMBER OF RESPONSIBLE PERSON* information and apply it to the ORCA below the Class 6.2 label.

Category A ORCA Overpack Ready to Ship

Correctly Labelled Category A ORCA Multi-Use Overpack

Correctly Labelled Category A ORCA Single-Use Overpack

Using Dry Ice as Coolant for Category A Samples

If you are using dry ice as your coolant and not PCM panels you will also need to apply the *Dry Ice* Labels to the ORCA system.

Dry Ice Label Set

Apply the Class 9 label to the box set at 45° so that the label appears as a diamond and the <u>9</u> is in the lowest point of this diamond.

Apply the 'DRY ICE AS COOLANT' Label near the Class 9 label.

Apply the UN1845 label near the Class 9 label. Fill in the blank part of the label with the weight of dry ice in kg.

Category A ORCA Dry Ice Overpack Ready to Ship

Correctly Labelled Category A ORCA Multi-Use Dry Ice Overpack

Correctly Labelled Category A ORCA Single-Use Dry Ice Overpack

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