CryoVault® Single-Use Shipper

Packing Instructions with 20 x 16 L CryoVault® Containers

MEISSNER

PART DESCRIPTION	QUANTITY
Top/Bottom tray **(30290008)**	8x
Velcro® Logistrap® pallet strap 5m (Orange) **(06000845)**	4x
Cardboard substitute **(07000023)**	8x
CryoVault® sleeve **(30290007)**	20x

Step 1

1. Open the door panel at the front of the **single-use shipper**.

Step 2

2. Place 2x **bottom tray** onto the Euro-size pallet.

Step 3

3. Place 5x **CryoVault® sleeves** into each bottom tray and load the CryoVault® containers into the sleeves.

Step 4

4. Cover each set of 5x **CryoVault® sleeves** with a **top tray**.

Step 5-6

5. Repeat steps 2-4 for the top layer.

6. Ensure all the **CryoVault® sleeves** are placed into the configuration pictured.

Step 7

7. When using a load of less than 20 units, ensure all corners are supported by placing **cardboard substitutes** into the **CryoVault® sleeves.**

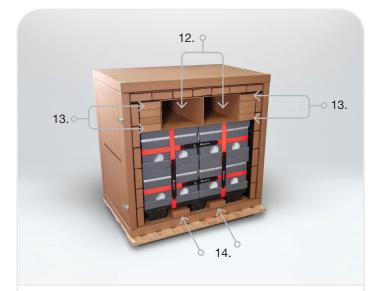## Step 8-9

8. Secure the load to the pallet with the provided **Velcro® straps**. Place two straps horizontally.

9. Place two straps vertically ensuring that it fits under the base of the pallet avoiding the pallet feet.

Step 10-11

10. Place the payload inside the **single-use shipper.**

11. Place 19x **dry ice box** around the perimeter of the shipper.

    11A. Fill each **dry ice box** with ~7 kg of pelletized dry ice then load each **dry ice box** into the appropriate position.

Step 12

12. Position 2x **dry ice spacers** directly on top of the payload, ensuring they are centered.

Step 13-15

13. Place 8x **dry ice box** in two stacks of 4x **dry ice box** on either side of the **dry ice spacers**.

    13A. Fill each **dry ice box** with ~7 kg of pelletized dry ice then load each **dry ice box** into the appropriate position.

14. Place 2x **dry ice box** between the pallet feet.

    14A. Fill each **dry ice box** with ~7 kg of pelletized dry ice then load each **dry ice box** into the appropriate position.

15. If applicable, place your temperature monitors.

Ordering Information

The CryoVault® platform's modular design creates a menu of shipping configurations that can be tailored to your specific process needs. Meissner will work with your team to identify and recommend the best option for your process.

Part Number/Item

KCVS-DS001A	Single-Use Shipper – 20 x 16 L CryoVault® Containers

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