

Note

Transportation of Blood Components

Container capacities include up to six neo natal units as one adult unit for all component types.

Fill any excess air space between PCMs and lid and around units with paper towel/bubble wrap or paper towel/bubble wrap cushions to ensure no movement of components during transportation.

Transportation of Blood Donations

Va-Q-Tec transport containers **MUST** only be used for transporting blood donations from stock holding units to manufacturing centres when a bulk movement vehicle unexpectedly becomes unavailable.

Whole blood donations must be laid flat with the satellite bags and filters underneath. Units can overlap in order to fit into the containers.

Fill any excess air space between PCMs and lid and around units with paper towel/bubble wrap or paper towel/bubble wrap cushions to ensure no movement of donations during transportation.

Extreme Weather Protocol

At those times when external temperatures **FALL BELOW -5°C** or **RISE ABOVE +35°C** only, the **EXTREME WEATHER PROTOCOL** listed on this datasheet **MUST** be instigated for transportation of all blood components.

The protocol covers external temperatures down to -10°C or up to +40°C.

DAT48/11.1 – Capacity and Transportation Time Limits for Transport Containers



Blood and Transplant

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VA-Q-TEC **LARGE** TRANSPORT CONTAINERS

| Component Type | Maximum Capacity (Units) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|----------------------|--------------------------|---|---|---|----------------------|
| Red Blood Cells | 12 | 9 | Blue (+4°C +/-2°C) | 1 Bottom 2 Opposite Sides 1 Top | -5°C to +35°C |
| Platelets | 15 | 8 | Green (+22°C +/-2°C) | | |
| Clinical Buffy Coats | 10 | | | | |
| Granulocytes | 2 | | | | |

VA-Q-TEC **SMALL** TRANSPORT CONTAINERS

| Component Type | Maximum Capacity (Units) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|------------------------------|--------------------------|---|---|---|----------------------|
| Red Blood Cells | 6 | 5.5 | Blue (+4°C +/-2°C) | 2 bottom 2 top Side by side | -5°C to +35°C |
| Platelets | | 7 | Green (+22°C +/-2°C) | | |
| Adult FFP | 4 | 11 | Dry Ice | 2 x 500g bags Top 1 x 500g bag Bottom | |
| Low Volume Frozen Components | 6 | | | | |

VA-Q-TEC **MEDIUM** TRANSPORT CONTAINERS

| Component Type | Maximum Capacity (Units) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|--------------------------------------|--------------------------|---|---|---|----------------------|
| Red Blood Cells | 15 | 3 | Blue (+4°C +/-2°C) | 2 bottom 2 top Side by side | 0°C to +30°C |
| Platelets | | 5 | Green (+22°C +/-2°C) | | |
| FFP and Low Volume Frozen Components | 10 | 9.5 | Dry ice | 2 x 500g bags Top 1 x 500g bag Bottom | -5°C to +35°C |

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EXTREME WEATHER PROTOCOL (-10°C to +40°C)

This protocol should only be instigated if external temperatures are below -5°C and above +35°C

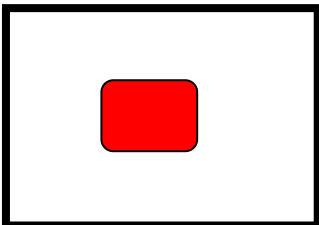
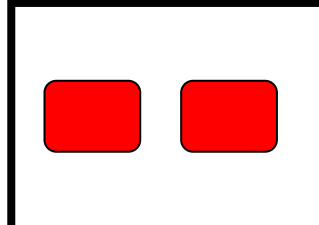
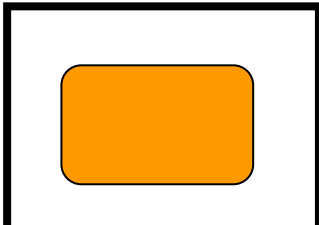
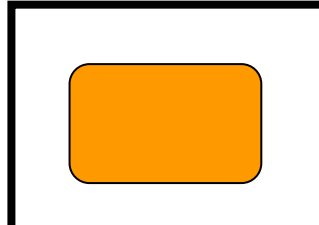
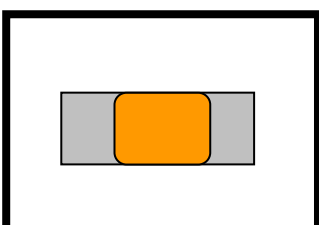
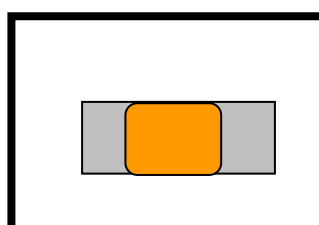
VA-Q-TEC **LARGE** TRANSPORT CONTAINERS

| Component Type | Maximum Capacity (Units) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|---|--------------------------|---|---|---|----------------------|
| Red Blood Cells | 10* | 9 | Blue (+4°C +/-2°C) | 1 Bottom 2 Opposite Sides 1 Top | -10°C to +40°C |
| Platelets | 15 | 8 | Green (+22°C +/-2°C) | | |
| Note *For the Extreme Weather Protocol only, maximum capacity is 10 units of Red Blood Cells | | | | | |

VA-Q-TEC **MEDIUM** JOURNEY TRANSPORT CONTAINERS

| Component Type | Maximum Capacity (Units) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|--|--------------------------|---|---|---|----------------------|
| Frozen Components | 10 | 10 | Dry Ice | 2 x 500g bags Top **2 x 500g bag Bottom | -10°C to +40°C |
| <p>Note</p> <p>**For the Extreme Weather Protocol only, two 500g of dry ice must be placed at the bottom of the container</p> | | | | | |

PACKING CONFIGURATIONS

| Packing Configuration Examples for SMALL transport containers (Minimum and Maximum load) | |
|---|---|
| <p>1 unit Red Blood Cells – Top View of Container</p>  <p>Ports Folded 1 stack x 1 unit</p> | <p>6 units Red Blood Cells – Top View of Container</p>  <p>Ports Folded 2 stacks x 3 units</p> |
| <p>1 unit Platelets - Top View of Container</p>  <p>Laid flat 1 stack x 1 unit</p> | <p>6 units Platelets – Top View of Container</p>  <p>Laid flat 1 stack x 6 units</p> |
| <p>1 unit FFP – Top View of Container</p>  <p>Laid flat 1 stack x 1 unit</p> | <p>4 units FFP – Top View of Container</p>  <p>Laid flat 1 stack x 4 units</p> |

DAT48/11.1 – Capacity and Transportation Time Limits for Transport Containers



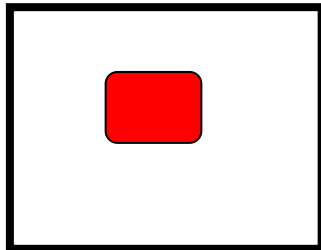
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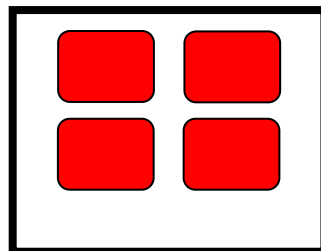
Packing Configuration Examples for **MEDIUM** transport containers (Minimum and Maximum load)

1 and 7 units Red Blood Cells – Top View of Container



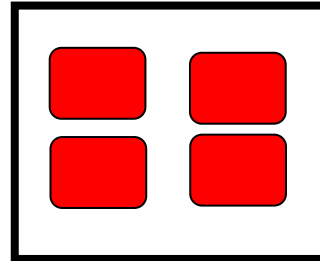
Ports Folded

1 stack x 1 unit,
and



3 stacks x 2 units
1 stack x 1 unit

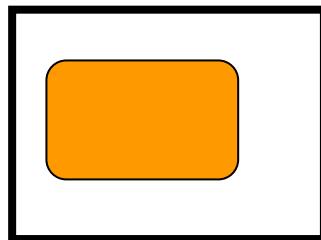
15 units Red Blood Cells – Top View of Container



Ports Folded

3 stacks x 4 units
1 stack x 3 units

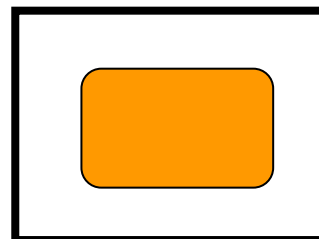
1 unit Platelets – Top View of Container



Laid Flat

1 stack x 1 units

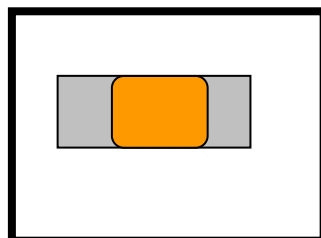
15 units Platelets – Top View of Container



Laid Flat

1 stack x 15 units

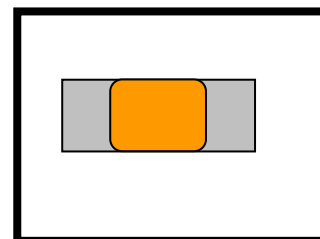
1 unit FFP Top View of Container



Laid Flat

1 stack x 1 unit

10 units FFP – Top View of Container



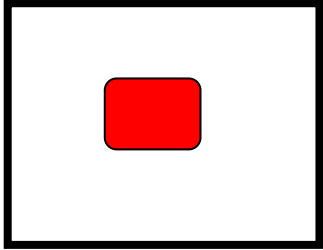
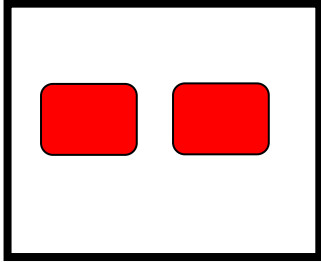
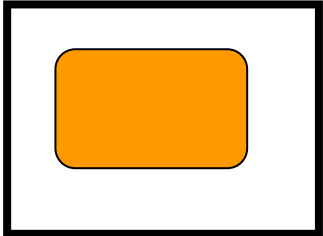
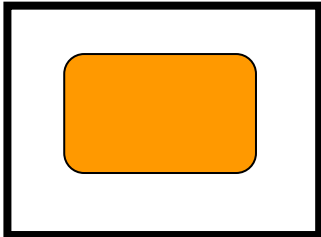
Laid Flat

1 stack x 10 units

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Cross-Referenced in Primary Document: SOP4147

| Packing Configuration Examples for LARGE TRANSPORT CONTAINERS (Minimum and Maximum load) | | | |
|--|--|---|--|
| 1 unit Red Blood Cells – Top View of Container | | 12 units Red Blood Cells – Top View of Container | |
|  <p>Ports Folded 1 stack x 1 unit</p> | |  <p>Ports Folded 2 stacks x 6 units</p> | |
| 1 unit Platelets – Top View of Container | | 15 units Platelets – Top View of Container | |
|  <p>Laid Flat 1 stack x 1 unit</p> | |  <p>Laid Flat 1 stack x 15 units</p> | |

Diagrams are for illustration purposes only and are not to scale

DAT48/11.1 – Capacity and Transportation Time Limits for Transport Containers



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TRANSPORTATION OF BLOOD DONATIONS

VA-Q-TEC **LARGE** TRANSPORT CONTAINERS

| Donation Type | Maximum Capacity (Donations) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|---|------------------------------|---|---|---|----------------------|
| CD Platelets One Donation (2 split packs) | 7 | 8 | Green (+22°C +/-2°C) | 1 Bottom 2 Opposite Sides 1 Top | -5°C to +35°C |
| Donated Plasma | | | | | |
| Whole Blood Donation | 4 | | | | |

VA-Q-TEC **SMALL** TRANSPORT CONTAINERS

| Donation Type | Maximum Capacity (Donations) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|---|------------------------------|---|---|---|----------------------|
| CD Platelets One Donation (2 split packs) | 3 | 7 | Green (+22°C +/-2°C) | 2 Bottom 2 Top Side by Side | -5°C to +35°C |
| Donated Plasma | | | | | |
| Whole Blood Donation | | 5 | | | |

VA-Q-TEC **MEDIUM** TRANSPORT CONTAINERS

| Donation Type | Maximum Capacity (Donations) | Maximum Time Units out of Controlled Storage in Container (Hours) | Temperature Stabilisation Material Type | Configuration of Temperature Stabilisation Material | External Temperature |
|---|------------------------------|---|---|---|----------------------|
| CD Platelets One Donation (2 split packs) | 7 | 5 | Green (+22°C +/-2°C) | 2 Bottom 2 Top Side by Side | 0°C to +30°C |
| Donated Plasma | | | | | |
| Whole Blood Donation | 9 | 3.5 | | | |

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