



**PT. SIGMA BIMED**

# **BIOMEDICAL & LABORATORY EQUIPMENT CATALOGUE**

Indonesia Distributor of

**phcbi**



# Our Company



PT. Sigma Bimed, having more than **30 years** of experience in refrigeration, is a sole distributor engaged in the main business of refrigerators in Indonesia.

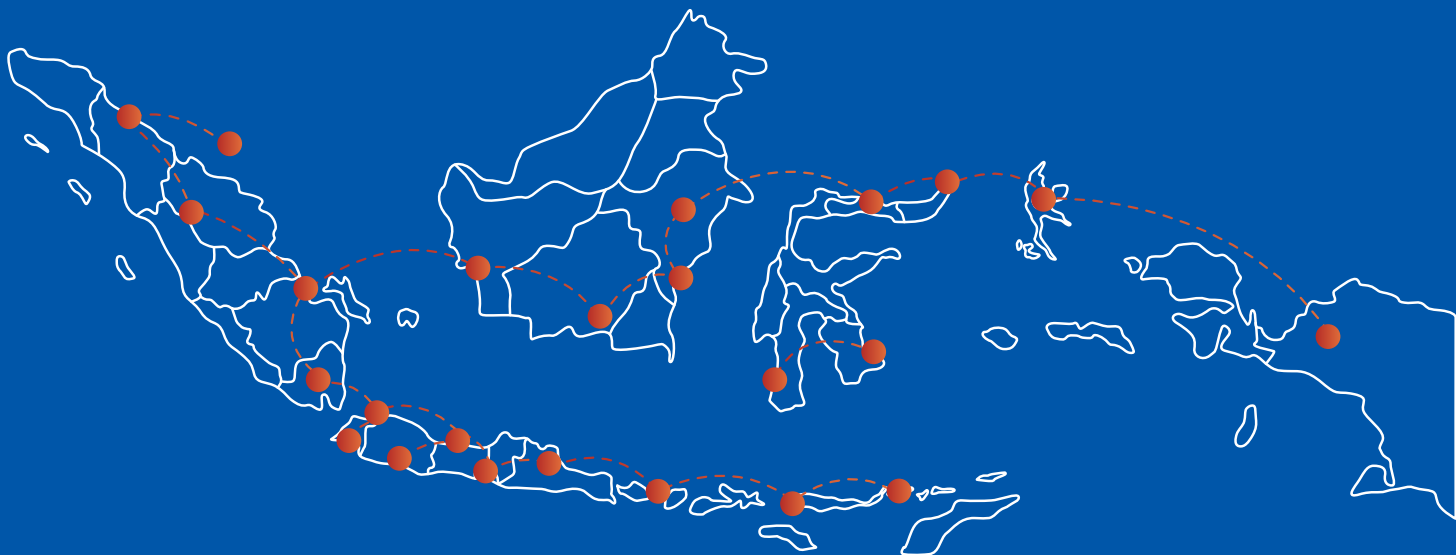
PT. Sigma Bimed has been appointed as Indonesia Sole Distributor for numerous brands namely **Panasonic (formerly SANYO), PHCbi (formerly Panasonic and Sanyo), Mitsubishi, Daido, and Apex**. These brands have been trusted globally and therefore customer can be assure to be provided with the highest quality and reliable products from us.

We supply products of commercial refrigerators and freezers, showcases, condensing units, compressors, cold room, ULT Freezer, biomedical and laboratory refrigerator and freezer, incubator, vaccine carrier, refrigerated transportation, transport boxes and sterilization which allows us to serve our loyal customer engaged in supermarket, convenient store, restaurant, bakery, hotel, hospital, healthcare, industrial, laboratories, and universities, trading sector in Indonesia.

We believe that serving our customer's demand and needs comes as our priority and becomes an important value that driven our company forward. To ensure highest customer satisfaction, we provide after sales services with trained technicians and spare parts.



**We Provide** after sales services and maintenance supported by professionally trained and experienced engineering teams **all over Indonesia.**



More Than  
**30 Years**  
Refrigeration Experience



High Quality And  
Durability Products



Distribution Coverage  
All Over Indonesia



Engineering Excellence



Customize Products  
And Installation



After Sales Service And  
Maintenance Support



# Service Centre



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MADE IN JAPAN

# ULTRA LOW TEMPERATURE FREEZER



• MDF-C2156VAN

• MDF-1156  
MDF-1156ATN

## Cryogenic Freezer (-150°C/-152°C)

The most uniform storage temperatures for cryopreservation solutions

| Model        | Temperature Control Range | Ext. Dimension (WxDxH) | Capacity | Weight |
|--------------|---------------------------|------------------------|----------|--------|
| MDF-C2156VAN | -125°C to -150°C          | 1730x765x1010 mm       | 231 L    | 318 kg |
| MDF-1156     | -130°C to -152°C          | 1400x800x945 mm        | 128 L    | 265 kg |
| MDF-1156ATN  | -130°C to -152°C          | 1400x800x945 mm        | 128 L    | 272 kg |

\*ATN: LN<sup>2</sup> Back-up, temperature recorder

## VIP (-80°C/-86°C)

Excellent reliability and uniformity within an optional footprint

| Model    | Temperature Control Range | Ext. Dimension (WxDxH) | Capacity | Weight |
|----------|---------------------------|------------------------|----------|--------|
| MDF-C8V1 | -60°C to -80°C            | 550x685x945 mm         | 84 L     | 70 kg  |

• MDF-C8V1

\*ATN: LCO<sup>2</sup> Back-up, temperature recorder

• MDF-U33V



• MDF-U55V



• MDF-U74V

• MDF-DU900V  
MDF-DU900VC

## VIP (-86°C)

Excellent reliability and uniformity within an optional footprint

| Model       | Temperature Control Range | Ext. Dimension (WxDxH) | Capacity | Weight |
|-------------|---------------------------|------------------------|----------|--------|
| MDF-U33V    | -50°C to -86°C            | 670x870x1860 mm        | 333 L    | 255 kg |
| MDF-U55V    | -50°C to -86°C            | 770x870x1990 mm        | 519 L    | 288 kg |
| MDF-U74V    | -50°C to -86°C            | 1010x870x2010 mm       | 728 L    | 346 kg |
| MDF-DU900V  | -50°C to -86°C            | 1150x870x1990 mm       | 845 L    | 376 kg |
| MDF-DU900VC | -50°C to -86°C            | 1150x870x1990 mm       | 845 L    | 382 kg |



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MADE IN JAPAN



● MDF-DU302VX

● MDF-DU502VX  
MDF-DU502VH● MDF-DU702VX  
MDF-DU702VH● MDF-DC500VX  
MDF-DC700VX

## Twin Guard (-86°C)

The most secure ultra-low temperature freezers for the storage of high value samples

| Model       | Temperature Control Range | Ext. Dimension (WxDxH) | Capacity | Weight |
|-------------|---------------------------|------------------------|----------|--------|
| MDF-DU302VX | -50°C to -86°C            | 670x882x1840 mm        | 360 L    | 255 kg |
| MDF-DU502VX | -50°C to -86°C            | 790x882x1993 mm        | 528 L    | 285 kg |
| MDF-DU502VH | -50°C to -86°C            | 790x882x1993 mm        | 528 L    | 246 kg |
| MDF-DU702VX | -50°C to -86°C            | 1030x882x1993 mm       | 729 L    | 328 kg |
| MDF-DU702VH | -50°C to -86°C            | 1030x882x1993 mm       | 729 L    | 278 kg |
| MDF-DC500VX | -50°C to -86°C            | 2010x845x1070 mm       | 575 L    | 328 kg |
| MDF-DC700VX | -50°C to -86°C            | 2300x845x1070 mm       | 715 L    | 358 kg |

## BIOMEDICAL FREEZER



● MDF-U334



● MDF-U5312



● MDF-U731M



● MDF-137



● MDF-237



● MDF-437

## Biomedical Freezer (-30°C)

Power to counteract frequent door openings

| Model     | Temperature Control Range | Ext. Dimension (WxDxH) | Capacity | Weight |
|-----------|---------------------------|------------------------|----------|--------|
| MDF-U334  | -20°C to -30°C            | 614x709x1620 mm        | 274 L    | 81 kg  |
| MDF-U5312 | -20°C to -30°C            | 804x772x1802 mm        | 482 L    | 132 kg |
| MDF-U731M | -20°C to -30°C            | 770x830x1955 mm        | 690 L    | 152 kg |
| MDF-137   | -20°C to -30°C            | 640x687x881 mm         | 138 L    | 52 kg  |
| MDF-237   | -20°C to -30°C            | 905x687x881 mm         | 221 L    | 60 kg  |
| MDF-437   | -20°C to -30°C            | 1265x807x902 mm        | 425 L    | 81 kg  |



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● MDF-U443



● MDF-U5412

## Biomedical Freezer (-40°C)

The ideal freezing environment for the preservation

| Model     | Temperature Control Range | Ext. Dimension (WxDxH) | Capacity | Weight |
|-----------|---------------------------|------------------------|----------|--------|
| MDF-U443  | -15°C to -40°C            | 800x832x1810 mm        | 426 L    | 213 kg |
| MDF-U5412 | -20°C to -40°C            | 804x772x1802 mm        | 482 L    | 134 kg |

## PHARMACEUTICAL REFRIGERATOR



● MPR-S163



● MPR-S313

● MPR-514  
MPR-514R● MPR-1014  
MPR-1014R

## Pharmaceutical Refrigerator (2°C to 14°C)

Uniform storage temperature for the most demanding applications

| Model     | Ext. Dimension (WxDxH) | Capacity | Weight                   |
|-----------|------------------------|----------|--------------------------|
| MPR-S163  | 800x465x1090 mm        | 158 L    | 71 kg Wire shelves type  |
| MPR-S313  | 800x465x1800 mm        | 340 L    | 100 kg Wire shelves type |
| MPR-514   | 900x600+(58)x 1790 mm  | 489 L    | 141 kg Wire shelves type |
| MPR-514R  | 900x600+(58)x 1790 mm  | 486 L    | 147 kg Drawer type       |
| MPR-1014  | 1800x600+(58)x 1790 mm | 1033 L   | 246 kg Wire shelves type |
| MPR-1014R | 1800x600+(58)x 1790 mm | 1029 L   | 258 kg Drawer type       |



● MPR-722



● MPR-722R



● MPR-1412



● MPR-1412R

## Pharmaceutical Refrigerator (2°C to 23°C)

Uniform storage temperature for the most demanding applications

| Model     | Ext. Dimension (WxDxH) | Capacity | Weight                   |
|-----------|------------------------|----------|--------------------------|
| MPR-722   | 770x830x1955 mm        | 684 L    | 174 kg Wire shelves type |
| MPR-722R  | 770x830x1955 mm        | 671 L    | 193 kg Drawer type       |
| MPR-1412  | 1440x830x1950 mm       | 1364 L   | 248 kg Wire shelves type |
| MPR-1412R | 1440x830x1950 mm       | 1359 L   | 287 kg Drawer type       |



● **MPR-215F**

Effective capacity

Refrigerator: Freezer:

**176** Liters **39** Liters● **MPR-414F**

Effective capacity

Refrigerator: Freezer:

**340** Liters **82** Liters● **MPR-715F**

Effective capacity

Refrigerator: Freezer:

**415** Liters **176** Liters**Pharmaceutical Refrigerator (2°C to 14°C)  
Freezer (-20°C to -30°C)**

Providing a complete storage solution, refrigerator and freezer in one unit

| Model    | Ext. Dimension (WxDxH) | Weight |
|----------|------------------------|--------|
| MPR-215F | 540X557X(45)*X1794 mm  | 86 kg  |
| MPR-414F | 800x600x1805 mm        | 126 kg |
| MPR-715F | 900x715x1910 mm        | 170 kg |

**BLOOD BANK REFRIGERATOR**● **MBR-305GR**● **MBR-705GR**● **MBR-1405GR****Blood Bank Refrigerator (4°C)**

Robust design for safest storage of the whole blood

| Model      | Temp. | Ext. Dimension (WxDxH) | Capacity | Weight |
|------------|-------|------------------------|----------|--------|
| MBR-305GR  | 4°C   | 600x680x1835 mm        | 302 L    | 147 kg |
| MBR-705GR  | 4°C   | 770x830x1955 mm        | 622 L    | 213 kg |
| MBR-1405GR | 4°C   | 1440x830x1950 mm       | 1301 L   | 315 kg |

**CO<sup>2</sup> INCUBATOR**● **MCO-80IC****CO<sup>2</sup> Incubators (5°C to 50°C)**

Intuitive and easy operable, Heated incubators

| Model    | Temperature Control Range                   | CO <sup>2</sup> Range | Humidity  | Ext. Dimension (WxDxH) | Capacity | Weight |
|----------|---|-----------------------|---|------------------------|----------|--------|
| MCO-80IC | Ambient Temp. +5°C to 50°C (AT 5°C to 35°C) | 0 to 20%              | Normal mode; over 80% R.H<br>High humidity mode; over 90% R.H | 986x853x2040 mm        | 851 L    | 275 kg |

\*1 standard for model no. Including UV, \*2 standard for model No. Including UVH





● MCO-170M



## Multi Gas Incubators (5°C to 50°C)

Intuitive and easy operable, Heated incubators

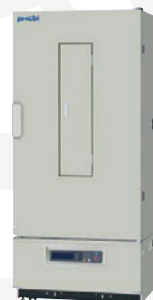
| Model    | Temperature Control Range                   | CO <sub>2</sub> Range | O <sub>2</sub> Range | Humidity    | Ext. Dimension (WxDxH) | Capacity | Weight |
|----------|---|-----------------------|----------------------|-------------|------------------------|----------|--------|
| MCO-170M | Ambient Temp. +5°C to 50°C (At 5°C to 35°C) | 0 to 20%              | 1 to 18%, 22 to 80%  | 95 ±5% R.H. | 620x730x905mm          | 161 L    | 77 kg  |



● MIR-154



● MIR-254



● MIR-554

## Cooled Incubators (-10°C to 60°C)

All-round performance

| Model   | Temperature Control Range                    | Ext. Dimension (WxDxH) | Capacity | Weight |
|---------|--|------------------------|----------|--------|
| MIR-154 | Ambient temp. -10°C to 60°C (At 5°C to 35°C) | 700x580x1018 mm        | 123 L    | 78 kg  |
| MIR-254 | Ambient temp. -10°C to 60°C (At 5°C to 35°C) | 700x580x1618 mm        | 238 L    | 108 kg |
| MIR-554 | Ambient temp. -10°C to 60°C (At 5°C to 35°C) | 800x832x1810 mm        | 406 L    | 195 kg |

● MLR-352  
MLR-352H

## Climate Chambers (5°C to 50°C)(Lamp OFF) | 10°C to 50°C (Lamp ON)

Versatile Climate Chambers

| Model    | Temperature Control Range                          | Humidity   | Ext. Dimension (WxDxH) | Capacity | Weight |
|----------|--|--|------------------------|----------|--------|
| MLR-352  | 0°C to 50°C (Light OFF)<br>10°C to 50°C (Light ON) | -  | 760x700x1835 mm        | 294 L    | 226 kg |
| MLR-352H | 5°C to 50°C (Light OFF)<br>10°C to 50°C (Light ON) | 60 to 90% RH (Light OFF)<br>55 to 85% (Light ON) | 760x700x1835 mm        | 294 L    | 235 kg |





MADE IN INDONESIA



# PHARMACEUTICAL REFRIGERATOR



## MPR-S150H



**Capacity** : 165 L  
**Internal Dimensi** : 720 x 360 x 725 mm  
**Ext. Dimensi** : 800 x 500 x 1120 mm  
**Temperature** : 2 - 14°C  
**Electrical** : 220V, 230V, 240V / 50Hz  
**Weight** : 73 Kg



## MPR-S300H



**Capacity** : 345 L  
**Internal Dimensi** : 720 x 360 x 1425 mm  
**Ext. Dimensi** : 800 x 500 x 1820 mm  
**Temperature** : 2 to 14°C  
**Electrical** : 220V, 230V, 240V / 50Hz  
**Weight** : 104 Kg



## MPR-S500H



**Capacity** : 554 L  
**Internal Dimensi** : 800 x 510 x 1425 mm  
**Ext. Dimensi** : 900 x 650 x 1824 mm  
**Temperature** : +2 - +14°C  
**Electrical** : 220V, 230V, 240V / 50Hz  
**Weight** : 140 Kg



## MPR-S500RH



**Capacity** : 550 L  
**Internal Dimensi** : 800 x 510 x 1425 mm  
**Ext. Dimensi** : 900 x 650 x 1824 mm  
**Temperature** : +2 - +14°C  
**Electrical** : 220V, 230V, 240V / 50Hz  
**Weight** : 145 Kg



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## BIOMEDICAL FREEZER



### MDF-MU339HL

|                         |                       |
|-------------------------|-----------------------|
| <b>Capacity</b>         | : 369 L               |
| <b>Internal Dimensi</b> | : 472 x 614 x 1262 mm |
| <b>Ext. Dimensi</b>     | : 616 x 770 x 1802 mm |
| <b>Temperature</b>      | : -20°C to -30°C      |
| <b>Electrical</b>       | : 220/230/240V        |
| <b>Weight</b>           | : 122 Kg              |



### MDF-MU539HL

|                         |                       |
|-------------------------|-----------------------|
| <b>Capacity</b>         | : 504 L               |
| <b>Internal Dimensi</b> | : 649 x 614 x 1262 mm |
| <b>Ext. Dimensi</b>     | : 793 x 770 x 1802 mm |
| <b>Temperature</b>      | : -20°C to -30°C      |
| <b>Electrical</b>       | : 220/230/240V        |
| <b>Weight</b>           | : 144 Kg              |



### MDF-MU339

|                         |                       |
|-------------------------|-----------------------|
| <b>Capacity</b>         | : 369 L               |
| <b>Internal Dimensi</b> | : 472 x 614 x 1262 mm |
| <b>Ext. Dimensi</b>     | : 616 x 770 x 1802 mm |
| <b>Temperature</b>      | : -30°C to -20°C      |
| <b>Electrical</b>       | : 220/230/240V        |
| <b>Weight</b>           | : 135 Kg              |



### MDF-MU539

|                         |                       |
|-------------------------|-----------------------|
| <b>Capacity</b>         | : 504 L               |
| <b>Internal Dimensi</b> | : 649 x 614 x 1262 mm |
| <b>Ext. Dimensi</b>     | : 793x770x1802 mm     |
| <b>Temperature</b>      | : -30°C to -20°C      |
| <b>Electrical</b>       | : 220/230/240V        |
| <b>Weight</b>           | : 163 Kg              |



Separate upper/  
lower compartments

### MDF-MU539D

|                         |                      |
|-------------------------|----------------------|
| <b>Capacity</b>         | : 479 L              |
| <b>Internal Dimensi</b> | : 649 x 614 x 600 mm |
| <b>Ext. Dimensi</b>     | : 793x770x1802 mm    |
| <b>Temperature</b>      | : -30°C to -20°C     |
| <b>Electrical</b>       | : 220/230/240V       |
| <b>Weight</b>           | : 185 Kg             |



### MDF-MU549DH

|                         |                       |
|-------------------------|-----------------------|
| <b>Capacity</b>         | : 479 L               |
| <b>Internal Dimensi</b> | : 649 x 614 x 600 mm  |
| <b>Ext. Dimensi</b>     | : 793 x 770 x 1802 mm |
| <b>Temperature</b>      | : -40°C to -20°C      |
| <b>Electrical</b>       | : 220/230/240V        |
| <b>Weight</b>           | : 165 Kg              |



CO<sup>2</sup> INCUBATOR**MCO-170M**

|                         |                      |
|-------------------------|----------------------|
| <b>Capacity</b>         | : 161 L              |
| <b>Internal Dimensi</b> | : 490 x 523 x 665 mm |
| <b>Ext. Dimensi</b>     | : 620 x 730 x 905 mm |
| <b>Temperature</b>      | : 5°C - 35°C         |
| <b>Electrical</b>       | : Yes                |
| <b>Weight</b>           | : 77 Kg              |

**MCO-170AC**

|                         |                      |
|-------------------------|----------------------|
| <b>Capacity</b>         | : 165 L              |
| <b>Internal Dimensi</b> | : 490 x 523 x 665 mm |
| <b>Ext. Dimensi</b>     | : 620 x 730 x 905 mm |
| <b>Temperature</b>      | : 5°C - 35°C         |
| <b>Electrical</b>       | : Yes                |
| <b>Weight</b>           | : 74 Kg              |

**MCO-170AIC**

|                         |                      |
|-------------------------|----------------------|
| <b>Capacity</b>         | : 165 L              |
| <b>Internal Dimensi</b> | : 490 x 523 x 665 mm |
| <b>Ext. Dimensi</b>     | : 620 x 730 x 905 mm |
| <b>Temperature</b>      | : 5°C - 35°C         |
| <b>Electrical</b>       | : Yes                |
| <b>Weight</b>           | : 80 Kg              |

**MCO-230AIC**

|                         |                      |
|-------------------------|----------------------|
| <b>Capacity</b>         | : 230 L              |
| <b>Internal Dimensi</b> | : 643 x 523 x 700 mm |
| <b>Ext. Dimensi</b>     | : 770 x 730 x 905 mm |
| <b>Temperature</b>      | : 5°C - 35°C         |
| <b>Electrical</b>       | : Yes                |
| <b>Weight</b>           | : 90 Kg              |

**MCO-50AIC**

|                         |                  |
|-------------------------|------------------|
| <b>Capacity</b>         | : 50 L           |
| <b>Internal Dimensi</b> | : 370x363x385 mm |
| <b>Ext. Dimensi</b>     | : 480x550x585 mm |
| <b>Temperature</b>      | : 5°C - 35°C     |
| <b>Electrical</b>       | : Yes            |
| <b>Weight</b>           | : 45 Kg          |

**MCO-50M**

|                         |                  |
|-------------------------|------------------|
| <b>Capacity</b>         | : 50 L           |
| <b>Internal Dimensi</b> | : 370x363x385 mm |
| <b>Ext. Dimensi</b>     | : 480x550x585 mm |
| <b>Temperature</b>      | : 5°C - 35°C     |
| <b>Electrical</b>       | : Yes            |
| <b>Weight</b>           | : 46 Kg          |



## HEATED INCUBATOR

**MIR-H163**

|                     |                      |
|---------------------|----------------------|
| <b>Capacity</b>     | : 93 L               |
| <b>Ext. Dimensi</b> | : 580 x 595 x 820 mm |
| <b>Temperature</b>  | : 5°C - 60°C         |
| <b>Electrical</b>   | : Yes                |
| <b>Weight</b>       | : 50 Kg              |

**MIR-H263**

|                     |                      |
|---------------------|----------------------|
| <b>Capacity</b>     | : 153 L              |
| <b>Ext. Dimensi</b> | : 730 x 645 x 870 mm |
| <b>Temperature</b>  | : 5°C - 80°C         |
| <b>Electrical</b>   | : Yes                |
| <b>Weight</b>       | : 67 Kg              |

# VACCINE CARRIER



## AIDVC-24 Range: Short

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 0,9 L                 |
| <b>Weight Fully Loaded</b>  | : 2,27 kg               |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 1,46 kg               |
| <b>External Dimensions (WxDxH)*</b>                                 | : 25 x 18 x 21,4 cm     |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 16,5 x 10 x 12 cm     |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 17 x 10 x 5 cm        |
| <b>Lid Type &amp; Fixing</b>  | : Removable             |
| <b>External Material</b>  | : HDPE                  |
| <b>Internal Lining Material</b>                                     | : HIPS                  |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 32-38 mm              |
| <b>Number of Ice Packs</b>  | : 2 x 0,4 L             |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 21,5 Hours at 43°C    |



## AIVC-46 Range: Long

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 2,9 L                 |
| <b>Weight Fully Loaded</b>  | : 6,78 kg               |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 3,086 kg              |
| <b>External Dimensions (WxDxH)*</b>                                 | : 29 x 29 x 32,7 cm     |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 19,9 x 19,9 x 19 cm   |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 12,4 x 12,4 x 19 cm   |
| <b>Lid Type &amp; Fixing</b>  | : Removable             |
| <b>External Material</b>  | : HDPE                  |
| <b>Internal Lining Material</b>                                     | : HIPS                  |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 38-41 mm              |
| <b>Number of Ice Packs</b>  | : 4 x 0,6 L             |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 51,8 Hours at 43°C    |



## AIVC-44 Range: Long

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 1,67 L                |
| <b>Weight Fully Loaded</b>  | : 4,34 kg               |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 2,29 kg               |
| <b>External Dimensions (WxDxH)*</b>                                 | : 25 x 25 x 29,5 cm     |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 16,8 x 16,8 x 16,7 cm |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 10,2 x 10 x 16,7 cm   |
| <b>Lid Type &amp; Fixing</b>  | : Removable             |
| <b>External Material</b>  | : HDPE                  |
| <b>Internal Lining Material</b>                                     | : HIPS                  |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 35-38 mm              |
| <b>Number of Ice Packs</b>  | : 4 x 0,4 L             |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 35,7 Hours at 43°C    |



## AICB-316L Range: Long

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 22,40 L               |
| <b>Weight Fully Loaded</b>  | : 49,2 kg               |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 21,7 kg               |
| <b>External Dimensions (WxDxH)*</b>                                 | : 77 x 61,5 x 51,5 cm   |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 52 x 37 x 28,2 cm     |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 44,8 x 29 x 16,8 cm   |
| <b>Lid Type &amp; Fixing</b>  | : Hinged                |
| <b>External Material</b>  | : LLDPE                 |
| <b>Internal Lining Material</b>                                     | : LLDPE                 |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 100 mm                |
| <b>Number of Ice Packs</b>  | : 31 x 0,6 L            |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 153,5 Hours at 43°C   |



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### AICB-444L Range: Long

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 22,45 L               |
| <b>Weight Fully Loaded</b>  | : 48,87 kg              |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 23,3 kg               |
| <b>External Dimensions (WxDxH)*</b>                                 | : 76,1 x 61,1 x 51,3 cm |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 52 x 37 x 28,2 cm     |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 44,8 x 30 x 16,7 cm   |
| <b>Lid Type &amp; Fixing</b>  | : Hinged                |
| <b>External Material</b>  | : LLDPE                 |
| <b>Internal Lining Material</b>                                     | : LLDPE                 |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 100 mm                |
| <b>Number of Ice Packs</b>  | : 44 x 0,4 L            |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 140 Hours at 43°C     |



### AICB-503L Range: Long

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 22,5 L                |
| <b>Weight Fully Loaded</b>  | : 48,2 kg               |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 23,55 kg              |
| <b>External Dimensions (WxDxH)*</b>                                 | : 76,5 x 61,2 x 51,5 cm |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 51,8 x 37 x 27,7 cm   |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 45,5 x 31 x 16 cm     |
| <b>Lid Type &amp; Fixing</b>  | : Hinged                |
| <b>External Material</b>  | : LLDPE                 |
| <b>Internal Lining Material</b>                                     | : LLDPE                 |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 100 mm                |
| <b>Number of Ice Packs</b>  | : 50 x 0,3 L            |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 128,16 Hours at 43°C  |



### AICB-243S Range: Short

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 8 L                   |
| <b>Weight Fully Loaded</b>  | : 22,41 kg              |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 11,57 kg              |
| <b>External Dimensions (WxDxH)*</b>                                 | : 54,4 x 44,5 x 42 cm   |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 34,6 x 28 x 24 cm     |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 27 x 20,4 x 15 cm     |
| <b>Lid Type &amp; Fixing</b>  | : Hinged                |
| <b>External Material</b>  | : LLDPE                 |
| <b>Internal Lining Material</b>                                     | : LLDPE                 |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 65 mm                 |
| <b>Number of Ice Packs</b>  | : 24 x 0,3 L            |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 84,07 Hours at 43°C   |



### AICB-156L Range: Long

|   |                         |
|---|-------------------------|
| <b>Vaccine Storage Capacity</b>                                     | : 5,5 L                 |
| <b>Weight Fully Loaded</b>  | : 22,33 kg              |
| <b>Weight Empty (With Empty Ice Pack)</b>                           | : 11,07 kg              |
| <b>External Dimensions (WxDxH)*</b>                                 | : 54 x 44 x 41,5 cm     |
| <b>Internal Dimensions (WxDxH)*</b>                                 | : 35 x 28 x 24 cm       |
| <b>Vaccine Storage Dimensions (WxDxH)</b>                           | : 54 x 44,5 x 41,5 cm   |
| <b>Lid Type &amp; Fixing</b>  | : Hinged                |
| <b>External Material</b>  | : LLDPE                 |
| <b>Internal Lining Material</b>                                     | : LLDPE                 |
| <b>Insulation Material</b>  | : CFC-Free Polyurethane |
| <b>Insulation Thickness</b>   | : 65-75 mm              |
| <b>Number of Ice Packs</b>  | : 15 x 0,6 L            |
| <b>Cold Life Without Opening, Tested by WHO Approved Laboratory</b> | : 107,5 Hours at 43°C   |



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## FREEZE FREE VACCINE CARRIERS

**Vaccine Storage Capacity**  
**Weight Fully Loaded**  
**Weight Empty (With Empty Ice Pack)**  
**External Dimensions (WxDxH)\***  
**Internal Dimensions (WxDxH)\***  
**Vaccine Storage Dimensions (WxDxH)**  
**Cold Life at +43°C**  
**Warm Life at -20°C**  
**Cool Life at +43°C**  
**Minimum Rated Ambient**  
**Lid Type & Fixing**  
**External Material**  
**Internal Lining Material**  
**Insulation Material**  
**Insulation Thickness**  
**Type of Coolant Packs Required**  
**Model Coolant Pack**  
**Number of Coolant Packs Required**  
**Coolant Packs Supplied**

### **AIFVC43** Range: Short

: 0,910 L  
 : 4,914 kg  
 : 2,73 kg  
 : 26 x 25,6 x 29 cm  
 : 7,52 x 7,52 x 16,1 cm  
 : 7,52 x 7,52 x 16,1 cm  
 : 26,43 Hrs  
 : -  
 : -  
 : +15°C  
 : Removable Lid  
 : HDPE  
 : HIPS  
 : Polyurethane  
 : 32 mm  
 : Water Packs  
 : 0,3 L  
 : 4  
 : Yes

### **AIFVC46** Range: Long

1,61 L  
 7,9 kg  
 3,9 kg  
 32 x 32 x 33,5 cm  
 9,76 x 9,76 x 16,99 cm  
 9,76 x 9,76 x 16,99 cm  
 41 Hrs  
 -  
 NA  
 +15°C  
 Removable Lid  
 HDPE  
 HIPS  
 Polyurethane  
 50 mm  
 Water Packs  
 0,6 L  
 4  
 Yes



AIIP-03

AIIP-04

AIIP-06

## COOLANT ICE PACKS

TYPE: WATER PACK

### **AIIP-03**

**Nominal Capacity** : 0,3 L  
**External Dimensions (WxDxH)** : 163 x 90 x 34 ±2 mm  
**Weight Empty** : 75-80 gsm  
**Weight Filled** : 363 gms  
**Material** : HDPE

### **AIIP-04**

0,4 L  
 163 x 94 x 34 ±2 mm  
 77 gsm  
 428 gms  
 HDPE

### **AIIP-06**

0,6 L  
 190 x 120 x 34 ±2 mm  
 111 gsm  
 666 gms  
 HDPE

**Conforming to WHO Specifications (All Type)**  
 WHO/PQS/Unicef/E05/1P01-VP.1



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## COOL BENCH



|                         |   |
|-------------------------|---|
| Model                   | DCA-B120R   |
| Certificate No.         | 21900BZX00014000  |
| Temperature Range       | 2-8°C   |
| Outside Dimensions (mm) | 1200 x 750 x 850-860  |
| Materials               | TABLE: Stainless Steel SUS-304 Exterior: Colored Bonderizing Zinc Steel |
| Refrigerant Gas         | HFC404A (CFC Free)  |
| Cooling Method          | Forced Circulation Blow-up  |
| Control Method          | Electronic Digital Thermostat, Microcontroller                          |
| Alarm Device            | 2 Digital Thermo-alarm Devices, High Temp. +8°C ; Low Temp. +2°C        |
| Safety Device           | Shutdown Compressor When Overcooling                                    |
| Electricity             | 1 Phase 220V 50Hz with Transformer                                      |



# PT. SIGMA BIMED

## SIGMA



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