



PT. SIGMA BIMED

BIOMEDICAL & LABORATORY EQUIPMENT CATALOGUE

Indonesia Distributor of

PHCBI

арех

Daido



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.

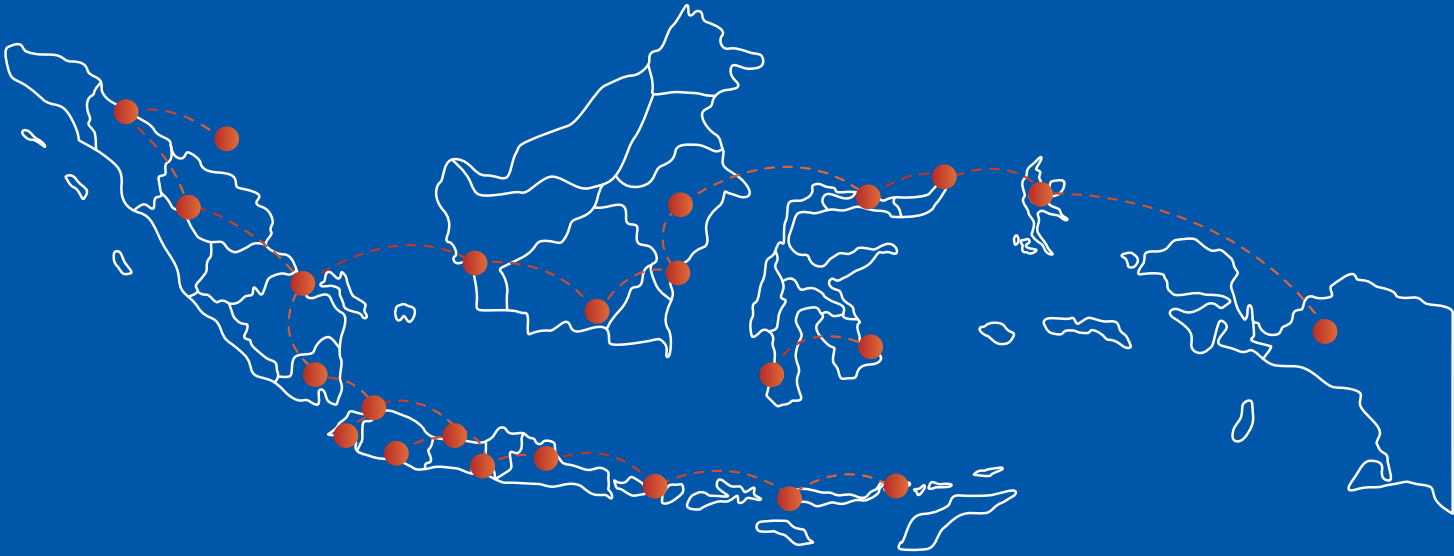
PT. Sigma Bimed has been appointed as Indonesia Sole Distributor for numerous brands namely **Panasonic (formerly SANYO), PHCbi (formerly Panasonic and Sanyo), Mitsubishi, Daido, and Apex**. These brands have been trusted globally and therefore customer can be assure to be provided with the highest quality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



Engineering Excellence



High Quality And
Durability Products



Distribution Coverage
All Over Indonesia



Customize Products
And Installation



After Sales Service And
Maintenance Support



Service Centre



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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: LN² 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: LCO² 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	382 kg
MDF-DU900VC	-50°C to -86°C	1150x870x1990 mm	845 L	376 kg





• 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-MU339



• MDF-U5312



• MDF-MU539



• MDF-MU539D
*Separate upper/
lower compartments*



• MDF-U731M

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-MU339	-20°C to -30°C	616x770x1802 mm	369 L	135 kg
MDF-U5312	-20°C to -30°C	804x772x1802 mm	482 L	132 kg
MDF-MU539	-20°C to -30°C	793x770x1802 mm	504 L	163 kg
MDF-MU539D	-20°C to -30°C	793x770x1802 mm	479 L	185 kg
MDF-U731M	-20°C to -30°C	770x830x1955 mm	690 L	152 kg





● 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	616x770x1802 mm	426 L	213 kg
MDF-U5412	-20°C to -40°C	793x770x1802 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





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	900x715x1910 mm	170 kg
MPR-414F	540x557x1794 mm	86 kg
MPR-715F	800x600x1805 mm	126 kg

● **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



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

● **MBR-305GR**

● **MBR-705GR**

● **MBR-1405GR**

CO² INCUBATOR



● **MCO-50AIC**



● **MCO-80IC**

CO² Incubators (5°C to 50°C)

Intuitive and easy operable, Heated incubators

Model	Temperature Control Range	CO ² Range	Humidity	Ext. Dimension (WxDxH)	Capacity	Weight
MCO-50AIC	Ambient Temp. +5°C to 50°C (AT 5°C to 35°C)	0 to 20%	95 ±5% R.H.	480x550x585 mm	50 L	45 kg
MCO-80IC	Ambient Temp. +5°C to 50°C (AT 5°C to 35°C)	0 to 20%	Normal mode; over 80% R.H. 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



● MCO-50M

Multi Gas Incubators (5°C to 50°C)

Intuitive and easy operable, Heated incubators

Model	Temperature Control Range	CO ² Range	O ² 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
MCO-50M	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.	480x550x585 mm	50 L	46 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)	-	760x700x1835 mm	294 L	226 kg
	10°C to 50°C (Light ON)				
MLR-352H	5°C to 50°C (Light OFF)	60 to 90% RH (Light OFF)	760x700x1835 mm	294 L	235 kg
	10°C to 50°C (Light ON)	55 to 85% (Light ON)			

H: Humidifier type

*The surface of the cooling device may rust by the excrement of the insects when putting many insects in the chamber. We recommend frequent maintenance.





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

BIOMEDICAL FREEZER



MDF-MU339HL



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



MDF-MU539HL



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





CO² INCUBATOR



MCO-170AC



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



MCO-170AIC



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



MCO-230AIC



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

HEATED INCUBATOR



MIR-H163

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



MIR-H263

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



VACCINE CARRIER



AIDVC-24 Range: Short

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



AIVC-46 Range: Long

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



AIVC-44 Range: Long

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





AICB-316L Range: Long

Vaccine Storage Capacity	: 18 L
Weight Fully Loaded	: 22,4 kg
Weight Empty (With Empty Ice Pack)	: 49,2 kg
External Dimensions (WxDxH)*	: 77 x 61,5 x 51,5 cm
Internal Dimensions (WxDxH)*	: 52 x 37 x 28,2 cm
Vaccine Storage Dimensions (WxDxH)	: 44,8 x 29 x 16,8 cm
Lid Type & Fixing	: Hinged
External Material	: LLDPE
Internal Lining Material	: LLDPE
Insulation Material	: CFC-Free Polyurethane
Insulation Thickness	: 100 mm
Number of Ice Packs	: 31 x 0,6 L
Cold Life Without Opening, Tested by WHO Approved Laboratory	: 153,5 Hours at 43°C



AICB-444L Range: Long

Vaccine Storage Capacity	: 18 L
Weight Fully Loaded	: 48,87 kg
Weight Empty (With Empty Ice Pack)	: 23,3 kg
External Dimensions (WxDxH)*	: 76,1 x 61,1 x 51,3 cm
Internal Dimensions (WxDxH)*	: 52 x 37 x 28,2 cm
Vaccine Storage Dimensions (WxDxH)	: 44,8 x 30 x 16,7 cm
Lid Type & Fixing	: Hinged
External Material	: LLDPE
Internal Lining Material	: LLDPE
Insulation Material	: CFC-Free Polyurethane
Insulation Thickness	: 100 mm
Number of Ice Packs	: 44 x 0,4 L
Cold Life Without Opening, Tested by WHO Approved Laboratory	: 140 Hours at 43°C



AICB-503L Range: Long

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





AICB-243S Range: Short

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



AICB-156L Range: Long

Vaccine Storage Capacity	: 5,5 L
Weight Fully Loaded	: 22,33 kg
Weight Empty (With Empty Ice Pack)	: 11,07 kg
External Dimensions (WxDxH)*	: 54 x 44 x 41,5 cm
Internal Dimensions (WxDxH)*	: 35 x 28 x 24 cm
Vaccine Storage Dimensions (WxDxH)	: 27 x 20 x 10,3 cm
Lid Type & Fixing	: Hinged
External Material	: LLDPE
Internal Lining Material	: LLDPE
Insulation Material	: CFC-Free Polyurethane
Insulation Thickness	: 65-75 mm
Number of Ice Packs	: 15 x 0,6 L
Cold Life Without Opening, Tested by WHO Approved Laboratory	: 107,5 Hours at 43°C





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, 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



AIIIP-03

AIIIP-04

AIIIP-06

COOLANT ICE PACKS

TYPE: WATER PACK

AIIIP-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

AIIIP-04

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

AIIIP-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



PT. SIGMA BIMED





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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