




Vaccine Cold Chain

## Multimode Vaccine Refrigerator or Vaccine/Water-Pack Freezer: TCW 3100 AC





### TCW 3100 AC

Vaccine storage capacity: 168 L

Vaccine Refrigerator	Vaccine/Water-pack Freezer
Set Point: +5°C	Set Point: -20°C
Hold over time: 39h 13min <sup>1</sup>	Hold over time: 14h 53min <sup>1</sup>

1. measured at +43°C



2. Valid for refrigerators



### Multimode Ice-lined Vaccine Refrigerator or Vaccine/Water-pack Freezer

Ice-lined Vaccine Refrigerators and Vaccine/Water-pack Freezers are devices intended for the safe storage of **vaccines** at either cold or freezing temperatures and/or freezing of **water-packs** by means of an AC-powered ice-lined compression cooling system



### Optional - Remote Temperature Monitoring Device (RTMD)

With prepaid communication for the duration of the warranty period and offering real-time worldwide remote monitoring, data access over WEB and GPS position



**3 years international warranty for all parts and labour**



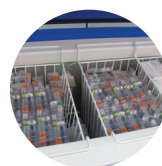
### Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible autonomy time
- Silicon gaskets (replaceable) and lockable clasps ensure tight sealing
- Designed for tropical temperatures: +5°C to +43°C



### Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Temperature monitoring maintained in system failure
- 2 USB Charging ports



### Special features

- Equipped with 1 voltage protector
- Delivered with 5 vaccine storage baskets, 2 spacers and 6 water-packs of 4L



## Technical Specifications: TCW 3100 AC

	<b>Function</b>	Vaccine Refrigerator or Vaccine/Water-pack Freezer
	<b>Climate Zone</b>	Hot zone (+43°C)
	<b>Vaccine Storage Capacity (L)</b>	168
	<b>Voltage</b>	220-240V AC 50/60Hz (also available in 115V/ 60Hz)
	<b>Energy Source</b>	AC
	<b>Refrigerant</b>	R290
	<b>External / internal material</b>	Polyethylene
<b>Dimensions (External)</b>	<b>Height (mm)</b>	910
	<b>Width (mm)</b>	1280
	<b>Depth (mm)</b>	780
<b>Dimensions (Shipping)</b>	<b>Height (mm)</b>	1030
	<b>Width (mm)</b>	1300
	<b>Depth (mm)</b>	800
	<b>Weight (kg)</b>	167 (with filled wp)
	<b>Accessories</b>	5 vaccine storage baskets   2 spacers   6 water-packs of 4L
	<b>WHO PQS Certification (Only applicable for Vaccine Freezer Mode)</b>	E003/143
	<b>Medical Device Regulation</b>	(EU) 2017/745: Class I

## Performance Data: TCW 3100 AC

Vaccine Refrigerator		Vaccine/Water-pack Freezer	
<b>Hold over time at +43°C</b>	39h 13min	<b>Hold over time at +43°C</b>	14h 53min
<b>Cool down</b>	7h 51min at +43°C	<b>Cool down</b>	24h 36min at +43°C
<b>Energy consumption stable running</b>	1.37 kWh/24h at +43°C at Continuous Power 1.09 kWh/24h at +43°C at Intermittent Power	<b>Energy consumption stable running</b>	3.09 kWh/24h at +43°C
<b>Energy consumption cool down</b>	1.032 kWh/24h at +43°C	<b>Energy consumption cool down</b>	3.08 kWh/24h at +43°C
<b>Freeze Protection</b>	Grade A	<b>Water-pack freezing</b>	18kg/24h at +43°C (30 water-packs of 0.6L)
-		<b>Frozen water-pack storage capacity (L)</b>	168 (without baskets)

### B Medical Systems S.à r.l

### SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

B Medical Systems is a global manufacturer and distributor of medical-grade devices with over 40 years of industrial experience.

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