

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 ¹	Hold over time: 14h 53min ¹

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

B Medical Systems is a pioneering company in the medical industry with over **40 years of experience in medical refrigeration**.





Technical Specifications: TCW 3100 AC

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

Performance Data: TCW 3100 AC

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



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