



E003: Refrigerators and freezers



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Product name:	TCW 50R AC
IMD-PQS Code:	E003-150
Status:	Prequalified
Date of acceptance:	20 Apr 2026
Appliance type:	E003
Product description:	Icelined refrigerator
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TCW 50R AC
Country of Manufacture:	Luxembourg
Address:	17 Op der Hei Hosingen Luxembourg Luxembourg
Telephone:	+ 35 2 92 07 311
Email:	info@bmedicalsystems.com
Website address:	www.bmedicalsystems.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	Minimum rated ambient temperature (°C)	5.00
Relative Humidity (Min)	30.00	Relative Humidity (Max)	85.00
Freeze protection	Grade A	Hold over time (hours:mn)	101:33
External dimensions length (mm)	780.00	External dimensions width (mm)	1055.00
External dimensions height (mm)	910.00	Appliance tested at (°C)	43.00
Performance at" (°C)	43.00	Ambient temperature during testing (°C)	43.00
Fuel and refrigeration cycle	Electric - Compression	Energy source	100-240V / 50-60Hz
Lining	Ice	Energy Consumption Intermittent Power (kWh/24h)	0.5800
Energy Consumption Cool Down (kWh/24h)	0.5900	Energy Consumption Continuous Power (kWh/24h)	0.8100

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	56.000	Refrigerator's gross volume (Litres)	60.000
Autonomy (hrs:mn)	101:33	Refrigerant type	R600a

Comments This product include the latest EMS Vaccine Cold Chain from B Medical Systems. It consists of Level 2 (advanced local monitoring) remotely upgradeable to Level 3 (advanced remote monitoring including cloud platform Vaclog). Monitoring level can be selected at the time of order. This product also include the latest generation voltage stabilizer with advanced surge protection already compatible with PQS_E007_VS01.6. A led lighting is also included to allow a proper visibility of the storage compartment at night.

List of accessories - 2 keys. - 2 spacers. - 1 brush. - 1 travel plug. - 1 wrench. - baskets. - 1 user manual (user choice of language) - 1 recycling instructions - 10 x 8A fuses.

List of spare parts, Reference & Price 296.9768.82 VCC COLD CHAIN CONTROLLER 296.9705.37 POWER MANAGEMENT MODULE 296.9805.13 SENSOR TEMP REGULATION 296.9805.18 SENSOR HUMIDITY REFRIGERATOR 296.9705.38 EBOX 292.9960.13 FAN 296.9702.17 COMPRESSOR Other spare parts available upon request to local service provider or B Medical Systems.

PRICE AND SHIPPING

Shipping volume (m3)	0.908	Shipping weight (kg)	106.00
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Minimum order	1.00	Units per package	1.00
Incoterms	EXW	Price 1	For quantities between 1-39 pcs: 4,690 EUR EXW
Price 2	For quantities between 40-99 pcs: 4,456 EUR EXW	Price 3	For quantities above 100pcs: 4,221 EUR EXW
Year of base price	2026		

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001 & ISO 13485
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VERIFICATION

Verification Laboratory	CEMAFROID SAS	Address	5 Avenue des Pres CS 20029 F94 266 Fresnes Cedex FranceFrance
Telephone	+33 1 49 84 84 84	Email	gerald.cavalier@cemafroid.fr
Verification Report Reference	WHO_25-01_TCW50RAC		

PRODUCT SITES

Organization name	B Medical Systems Sarl
Address	17 Op der Hei Hosingen Luxemburg Luxembourg

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.