



E003: Refrigerators and freezers



Product name:	TCW 50R SDD
IMD-PQS Code:	E003-164
Status:	Prequalified
Date of acceptance:	21 May 2026
Appliance type:	E003
Product description:	Solar Direct Drive vaccine refrigerator 59L
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TCW 50R SDD
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)	5.00	Relative Humidity (Max)	80.00
Freeze protection	Grade A	Hold over time (hours:mn)	94:15
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	Solar direct drive
Lining	Ice	Energy Consumption Intermittent Power (kWh/24h)	0.5190
Energy Consumption Cool Down (kWh/24h)	0.8480		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	56.000	Refrigerator's gross volume (Litres)	60.000
Autonomy (hrs:mn)	94:15	Refrigerant type	R600a
Solar radiation ref period (kWh/m2/day)	3.50		

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 of solar generator SG490 RGA designed for this product. A led lighting is also included to allow a proper visibility of the storage compartment at night.
List of accessories	- 2 keys. - 2 spacers. - baskets. - 1 wrench. - 1 compass. - 1 user manual - 1 recycling instruction - 1 brush.
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 parts upon request.

PRICE AND SHIPPING

Shipping volume (m3)	0.908	Shipping weight (kg)	121.50
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Minimum order	1.00	Units per package	1.00
Incoterms	EXW	Price 1	For quantities between 1-39 pcs: 7,390 EUR EXW
Price 2	For quantities between 40-99 pcs: 7,021 EUR EXW	Price 3	For quantities above 100pcs: 6,651 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	Re/Gent B.V	Address	Lage Dijk 22Netherlands
Telephone	+31492 476365	Email	patrick.beks@re-gent.nl
Verification Report Reference	Re/Gent B.V. 25319/BM28/V1		

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.