



E003: Refrigerators and freezers



Product name:	TCD -188
IMD-PQS Code:	E003-145
Status:	Prequalified
Date of acceptance:	10 Feb 2026
Appliance type:	E003
Product description:	Solar direct drive combined refrigerator/freezer
Manufacturer:	Qingdao Aucma Global Medical Co.,Ltd.
Manufacturers Reference:	TCD -188
Country of Manufacture:	China
Address:	315 Qianwangang Road, Economic &Technological Development Zone, Qingdao Shandong China
Telephone:	+86 532 86763602
Email:	lishouda@aucma.com.cn
Website address:	www.aucmamedicalglobal.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Multizone	Minimum rated ambient temperature (°C)	10.00
Relative Humidity (Min)	0.00	Relative Humidity (Max)	95.00
Humidity Control	Active	Freeze protection	Grade A
Hold over time (hours:mn)	124	External dimensions length (mm)	660.00
External dimensions width (mm)	710.00	External dimensions height (mm)	1575.00
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 and Electric Mains 100-240V 50/60Hz	Lining	Ice-lined
Energy Consumption During Freezing (kWh/24h)	2.3220	Energy Consumption Cool Down (kWh/24h)	1.8330
Energy Consumption Continuous Power (kWh/24h)	1.9220		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	120.000	Refrigerator's gross volume (Litres)	150.000
Autonomy (hrs:mn)	124	Refrigerant type	R290
Solar radiation ref period (kWh/m2/day)	3.50		

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer type	Direct cooling	Freezer net volume	38
Freezer's gross volume (Litres)	38.00	Waterpack freezing capacity (Kg/24 hrs)	2.20
Waterpack storage capacity (Litres)	11.00		

Comments	APPROVED FOR EMS LEVEL 1 1.Support simultaneous access of both mains and solar power supply. 2.Independent dehumidification system. 3.Comes standard with two shelves and two plastic vaccine trays, 1 funnel and 1 bucket for filling the water tank of the TCD-188. 4.TCD-188 has a level 2 EMS, which includes a recorder and its M2M interface, as well as a local display screen.
List of accessories	1.2 shelves. 2.2 plastic vaccine trays (additional trays can be ordered). 3.1 funnel and 1 bucket. 4.1 User manual and 1 technician manual. 5.2 locks and keys
List of spare parts, Reference & Price	3000002494 1 No. Compressor 3001001020 1 No. Electronic control unit 3001000822 1 No. Thermostat 3000001653 1 No. Fan

PRICE AND SHIPPING

Shipping volume (m3)	2.23	Shipping weight (kg)	500.00
Minimum order	1.00	Units per package	1.00
Incoterms	EXW	Year of base price	2026

QUALITY STANDARD

Quality Standard	ISO 9001: 2000;ISO 13485	Specification Reference	Applicable PQS specification: E003/RF05.6 Applicable PQS VP(s):
-------------------------	--------------------------	--------------------------------	---

VERIFICATION

Verification Report Reference	WB-23-0208
--------------------------------------	------------

PRODUCT SITES

Organization name	Qingdao Aucma Global Medical Co.,Ltd.
Address	315 Qianwangang Road, Economic &Technological Development Zone, Qingdao Shandong China

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>
----------------------------	---------------------	---------------------	--------------------

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.