



E003: Refrigerators and freezers



Product name:	TCD-100
IMD-PQS Code:	E003-129e
Status:	Prequalified
Date of acceptance:	14 Sep 2022
Appliance type:	E003
Product description:	Solar direct drive combined refrigerator/freezer with EMS level 1
Manufacturer:	Qingdao Aucma Global Medical Co.,Ltd.
Manufacturers Reference:	TCD-100
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 Dec 2025

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	Minimum rated ambient temperature (°C)	5.00
Freeze protection	Grade A	External dimensions length (mm)	750.00
External dimensions width (mm)	1050.00	External dimensions height (mm)	975.00
Appliance tested at (°C)	43.00	Performance at" (°C)	43.00
Fuel and refrigeration cycle	Electric - compression	Lining	Ice-lined
Energy Consumption During Freezing (kWh/24h)	1.9950	Energy Consumption Cool Down (kWh/24h)	1.2060
Energy Consumption Continuous Power (kWh/24h)	1.4100		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	48.000	Refrigerator's gross volume (Litres)	59.000
Autonomy (hrs:mn)	180	Refrigerant type	R290
Solar radiation ref period (kWh/m2/day)	3.50		

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer's gross volume (Litres)	38.00	Waterpack freezing capacity (Kg/24 hrs)	2.00
Waterpack storage capacity (Litres)	10.70		

Comments	1. 48-liter vaccine storage chamber volume; 38-liter water pack freezer chamber volume; 2. Integrated USB temperature data module with 10 year data storage capacity; 3. 180 hours of holdover at constant ambient temperature of 43 °C; 4. 2.0kg daily Water-pack freezing capacity, 10.7kg water-pack storage compartment capacity; 5. 180 hours autonomy at constant ambient temperature of 43 °C; 6. Integrated maximum/minimum temperature and alarm data with 30 day history; 7. Integrated USB charging port 5V / 0.5A;
List of accessories	1. 2 Vaccine boxes 2. 2 Keys 3. 1 Funnel 4. Documentation 5. 2 baskets

List of spare parts, Reference & Price	3000001485 Compressor 283 USD 3000002307 DC fan 26 USD 3001000717 Electronic control unit 68 USD"
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PRICE AND SHIPPING

Shipping volume (m3)	1.62	Shipping weight (kg)	260.00
Incoterms	EXW	Year of base price	2022

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E003/RF05.6 Applicable PQS VP(s): E004/RF05-VP.5		

VERIFICATION

Verification Laboratory	CHEARI	Address	#29 Xia Jie Street, Xuan Wu district Beijing 100053 R. P. de ChineChina
Telephone	+86 1063162443	Email	gongcx@cheari.com
Verification Report Reference	WB-21-0332		

PRODUCT SITES

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

Current PQS status:	Prequalified	Valid until:	31 Dec 2025
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.