



## E003:

## Refrigerators and freezers

<b>PQS code:</b>	<b>E003/129</b>
<b>Type of appliance:</b>	Combined icelined refrigerator/waterpacks freezer
<b>Manufacturer's reference:</b>	TCD-100
<b>Manufactured in:</b>	China; People's Republic of
<b>Company:</b>	Qingdao Aucma Global Medical Co.,Ltd.
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## Specifications

<b>Climate zone:</b>	Hot	<b>Min rated ambient temp:</b>	+5°C
<b>Refrigerant:</b>	#R290	<b>Energy source:</b>	
<b>Appliance tested at:</b>	+43°C	<b>Ext dimensions (HxLxD)</b>	W1050*D750*H975 mm
<b>Performance at:</b>	<b>+43°C</b>	<b>Fuel and cycle type:</b>	Electric - compression
<b>SOLAR DIRECT DRIVE REFRIGERATOR AND / OR FREEZER</b>			<b>Freeze protection: Grade A</b>
<b>Vaccine storage capacity (Liters)</b>	48L	<b>Gross volume (Liters):</b>	38L
<b>Gross volume (Liters):</b>	59L	<b>Waterpack freezing capacity:</b>	2kg/24h
		<b>Waterpack storage capacity:</b>	10.7 kg
<b>Autonomy as per WHO/PQS protocols</b>	180 h	<b>At a solar radiation reference period of:</b>	3.5 kWh/m <sup>2</sup> /day

### Warning !

For solar direct drive units, the correct sizing of the solar panel array for a specific site is complex and critical. It must be agreed with both the appliance manufacturer and with the Qualified Supplier of the solar energy system at the time of ordering.

<b>Comments:</b>	"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;		
<b>Accessories:</b>	"1、 2 Vaccine boxes 2、 2 Keys 3、 1 Funnel 4、 Documentation 5、 2 baskets		
<b>Spare parts (ref):</b>	000001485: Compressor 3000002307: DC fan 3001000717: Electronic control unit		
<b>Shipping volume:</b>	1.62 m3	<b>Shipping weight:</b>	260 kg
<b>Price year</b>	2022		
<b>Quality standard:</b>	- ISO 9001: 2015 -	<b>Specification ref.</b>	
<b>Verification report:</b>	WB-21-0332	<b>Verification laboratory:</b>	CHEARI
<b>Current PQS status:</b>	<i>pre-qualified: 14 Sep 2022</i>		<b>Validity until:</b> <i>May 2025</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.