SAHARA-III Dry tempering of blood components



Safe tempering method

TRANSMED Product Range

- Contamination risks by water-borne pathogens associated with water baths are prevented
- Active drying of the bag surface provides hygienic conditions surrounding the blood bag
- Temperatures of the warming plate and the ambient air are controlled to ensure that the blood products will not be damaged
- Standardized thawing and warming procedure
- Delayed key reaction prevents unintentional abort of the tempering process





Easy operation

• No adjustments of tempering times and ambient temperatures required

Temperature monitoring Gentle agitation to achieve an almost homogeneous temperature profile within · Contactless measurement of the the blood bag and to prevent damage blood component temperature by to the blood. an infrared sensor Fast availability of frozen blood components due to free of ice indication • Display of the blood component temperature from 29°C to 37°C in steps of 1°C • Documentation by means of a Fast tempering function protocol printer Rapid thawing and warming of blood components 37°C function • Tempering at a constant ambient temperature of 37°C • Simultaneous tempering of different 18 1 blood components Tempering of bags with different filling volumes Module protocol print

vioquie protocol print

- Documentation of the blood
 component temperature profile
- Documentation of the system test
- Documentation of the error messages in case of a failure

Integrated system test

- Checking the device functions
- Calibration of temperature sensors
- Additional measuring apparatus not necessary

Blood bag agitation

Documentation by means of a protocol printer

Modular design

- Rapid change between basic model and MAXITHERM possible
- · Additional functions such as infusion warming available

Module warming plate

 Acceleration of the thawing and warming process by extra contact heat



Module infusion warmer

Warming to 37°C of items such as

- infusion solutions
- tubes
- instruments
- contrast media etc.



Module MAXITHERM

 Doubles the loading capacity of SAHARA-III up to 6 blood bags

TRANSMED Product Range



Stainless steel tray

- Collects plasma and cells leaking from damaged bags
- Facilitates cleaning of SAHARA-III



The hygienic alternative



Associated costs

The operation of the dry tempering system SAHARA-III entails no disposable or consumable materials.

Maintenance

Except for safety and functionality checks, the dry tempering system SAHARA-III does not require routine service maintenance. The testing of the device functions, including calibration of the temperature sensors, is carried out by starting the integrated system test without any additional measuring apparatus.



Ordering Information

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Order No.	Description
97.8710.500	SAHARA-III basic model
97.8710.502	SAHARA-III basic model 115V
97.8710.800	SAHARA-III MAXITHERM
97.8710.802	SAHARA-III MAXITHERM 115V

Accessories

Order No.	Description
97.8710.501	Stainless steel tray
97.8710.550	Module infusion warmer for SAHARA-III
97.8710.570	Module protocol printer for SAHARA
79.8710.575	Paper for protocol printer
79.8710.576	Ink ribbon for protocol printer
97.8710.580	Module MAXITHERM for SAHARA-III basic model
97.8710.590	Module warming plate for SAHARA-III MAXITHERM

Technical Data

Dimensions:	W x H x D: 320 mm x 325 mm x 493 mm	
Weight:	SAHARA-III basic model: SAHARA-III basic model 115V: SAHARA-III MAXITHERM: SAHARA-III MAXITHERM 115V:	13.7 kg 13.7 kg 13.4 kg 13.4 kg
Rated voltage (±10%):	SAHARA-III basic model: SAHARA-III basic model 115V: SAHARA-III MAXITHERM: SAHARA-III MAXITHERM 115V:	230 VAC 115 VAC 230 VAC 115 VAC
Frequency:	50 - 60 Hz	
Rated power; current consumption:	SAHARA-III basic model: SAHARA-III basic model 115V: SAHARA-III MAXITHERM: SAHARA-III MAXITHERM 115V:	530 W; 2.3 A 530 W; 4.6 A 400 W; 1.7 A 400 W; 3.4 A
Accuracy of temperature measurement:	Max. ±4% bei 37°C	
Ambient conditions:	5 - 30°C Max. 85% rel. air humidity	
Protection class:	Protection class I	

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