

PREPARING AND DISPENSING MEDIA ACCORDING TO cGLP



AGARFILL

PREPARATOR/DISPENSER

Autoclavable container:

made of borosilicate glass and other autoclavable materials

Ideal for sterilization and subsequent distribution of agar

Dispensing volumes adjustable by dispensing pump

Airtight lid

Accurate to $\pm 0.5\%$

After sterilization, upon reaching dispensing temperature, the desired volume of agar is dispensed to Petri dishes, tubes or vials simply by depressing the dispensing piston

Silicone tubing and cannula for dispensing in Petri Dishes, vials and test tubes avoiding the formation of air bubbles

A magnetic drive may be placed in the container to keep the agar constantly agitated

Maximum capacity 2.5 litres

Port for addition of thermolabile substances after sterilization

Dehydrate medium and water are added direct to Agarfill container



WHAT TO ORDER

9997	"Agarfill" preparator/dispenser for volumes of 1 to 25 mL	1/box
9998	"Agarfill" preparator/dispenser for volumes of 1 to 50 mL	1/box

AGARFILL SYSTEM

MEDIA PREPARATOR 2,5 LITRES

Complete system for sterilization and dispensing of small volumes of nutrient media in petri dishes, vials and bottles.

Formed by:

Container for sterilization/dispensing of sterilized media (up to 2,5 L)

Magnetic stirring hotplate

Technical characteristics of the "ARBO" stirrer

- Agitation speed adjustable up to 1300 rpm through manual regulation knob
- Temperature adjustable electronically from environment up to 370 °C
- Thermoregulation accuracy $\pm 0,5$ °C
- Power supply: 220 V, 50 Hz, 800 W (110 V on request)

Technical characteristics of the "AGARFILL" container

- Autoclavable container
- Dispensing volumes adjustable by dispensing pump from 1 to 50 mL
- Accuracy $\pm 0,5\%$
- Port for addition of thermolabile substances after sterilization
- Silicone tubing and cannula for the dispensing in Petri dishes, vials and test tubes
- Maximum capacity 2,5 L



WHAT TO ORDER

88914 "Agarfill System" media preparator

1/box

STERAGAR

MEDIA PREPARATOR

Water jacket system for a rapid and **linear cooling**

Closure with "**Quick Tilt**" system and ABS insulated lid for a **faster and safer** opening

Programmable microprocessor card for the **best management** of the sterilization and dispensing process

Control panel with digital display for a **continuous monitoring** of the temperature and the production cycle

Electromagnetic agitation system to grant maximum **temperature uniformity**

Frontal panel with instruction and equipped with printer **according to GLP**



Insulated chamber to **avoid heat dispersion**

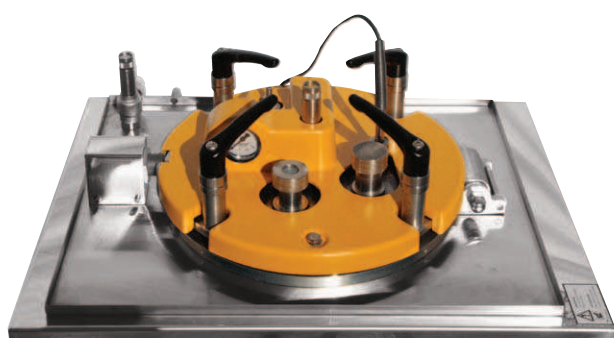
The automatic **chocolate-agar** cycle is standardised

Load flexibility:
up to 16 L of nutrient media



STERAGAR ... WHY?

- Nutritional components have a better nutritional value for micro-organisms immediately after preparation
- Automation allows a precise control of the temperature and time for media preparation as suggested by international standards
- Accurate temperature control allows the addition of termolabile products like bloods at the lowest possible temperature (e.g.: 42 °C) without agar solidification and limiting condensation on plate lid
- Media preparation can be programmed throughout the day/ week
- Temperature recording of heating / sterilization / cooling / dispensing steps of the cycle guarantees the quality of media.



"Steragar" is equipped with printer, internal basket and "Aspir" nozzle for culture media aspiration

CONSTRUCTING CHARACTERISTICS:

- Closure with "Quick Tilt" system for an easier opening
- External and internal chamber made in AISI 304 stainless steel
- Insulated ABS lid equipped with:
 - Screw cap opening for adding heat sensitive substances
 - Steam safety valve
 - Chamber pressure manometer
 - Agar dispensing connector
 - Thermoprobe
- Reinforced resistors
- Main water supply connection
- Basket: diameter 243x272 h mm
- Power supply: 220 V; 2600 W / 16 A

WHAT TO ORDER

89661	"Steragar" media preparator up to 10 litres - dimensions: 600x500x600 h mm - weight 55 kg	1/box
89662	"Steragar" media preparator up to 16 litres - dimensions: 600x500x610 h mm - weight 60 kg	1/box

Accessories:

89446	"Aspir" aspiration nozzle for "Steragar"	1/box
--------------	--	-------

AGARSTER ECO MINI

ACCORDING TO GOOD LABORATORY PRACTICE

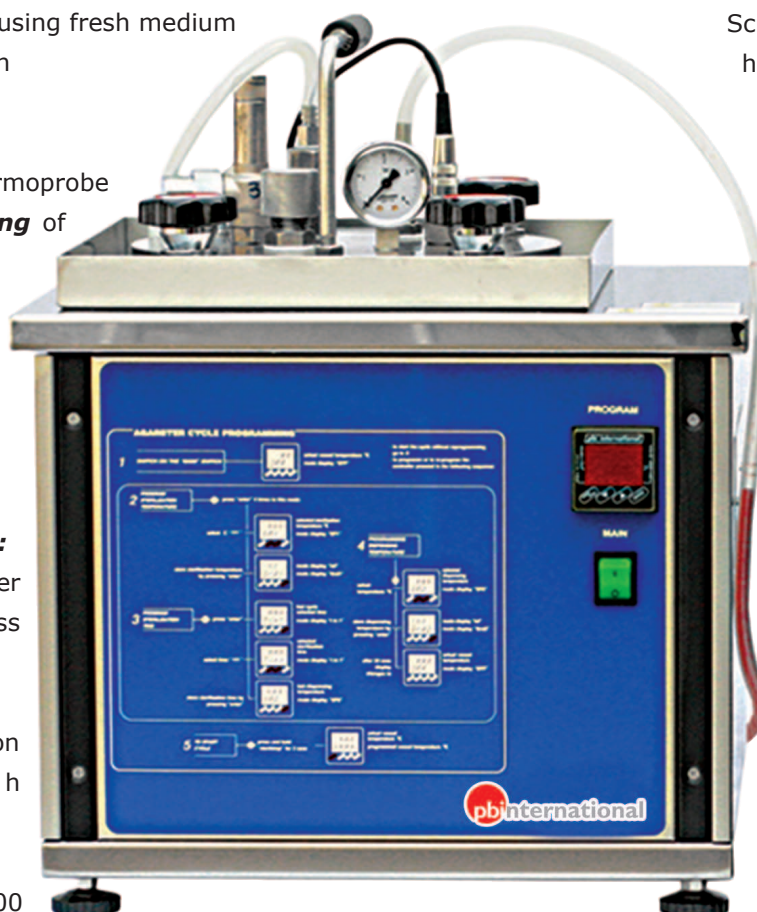
Better nutritional value if using fresh medium immediately after preparation

Lid with manometer and thermoprobe for a **continuous monitoring** of the production cycle

Water jacket system for a **rapid and linear** cooling

Constructing Characteristics:

- External and internal chamber
- Made in AISI 304 stainless steel
- Reinforced heating element
- Main water supply connection
- Dimensions: 440x440x530 h mm
- Weight: 25 kg
- Power supply: 220 Volt; 1600 Watt



Screw cap opening for adding heat-sensitive substances to **avoid deterioration**

Control panel with digital display for **media preparation programming**

Insulated chamber to **avoid heat dispersion**

Load:
up to 3 litres of medium

Max temperature:
125 °C

"Agarster Eco Mini" media preparator is equipped with internal basket and "Aspir" nozzle for culture media aspiration



WHAT TO ORDER

89605	"Agarster Eco Mini" media preparator up to 3 litres	1/box
--------------	---	-------

Accessories:

89446	"Aspir" aspiration nozzle for "Agarster Eco Mini"	1/box
11095	"Cream" additional basket for medium made of stainless steel	1/box
34462	Printer	1/box

PREPARATORS

SERIES

Advantages in using agar preparator:

- Agar quality: increased selectivity, growth and development
- No thermal shock caused to heat-sensitive agar constituents
- Standardization of agar quality, following GLP
- Absence of condensation when filling dishes
- Improved safety for operators (no glassware to handle)



Preparator/Dispenser "Agarfill"



Media Preparator "Agarfill System"



Media Preparator "Agarster Eco Mini"



Media preparator "Steragar" 10 litres



Media preparator "Steragar" 16 litres



Model	Agarfill	Agarfill System	Agarster Eco Mini	Steragar 10 lt	Steragar 16 lt
Code	9997/9998	88914	89605	89661	89662
Capacity	up to 2,5 litres	up to 2,5 litres	up to 3 litres	up to 10 litres	up to 16 litres
Mode	manual	manual	automatic	automatic	automatic
Max temperature	N.A.	N.A.	125 °C	125 °C	125 °C
Lid	glass	glass	stainless steel	insulated ABS lid	insulated ABS lid
Lid closure	glass	glass	removable lid	quick tilt	quick tilt
Printer	no	no	optional	standard	standard
Weight (approx)	7 kg	10 kg	25 kg	55 kg	60 kg
Stirring	not included	magnetic stirrer	electromagnetic agitation	electromagnetic agitation	electromagnetic agitation
Warming	N.A.	yes	yes	yes	yes
EC Marked	yes	yes	yes	yes	yes

ADD-MINI SS

AGAR DISPENSER - WORKING CAPACITY 400/500 DISHES/HOUR

dispenses medium automatically to Petri dishes

mechanical lifter driven by single-phase motor to raise the cover from Petri dishes for filling

compact structure made entirely of AISI 304 stainless steel

control panel comprising main switch, switch for independent dispenser operation, Petri dish volume dispenser switch, dispense area sterilizing switch and dispense timer

single-phase geared motor

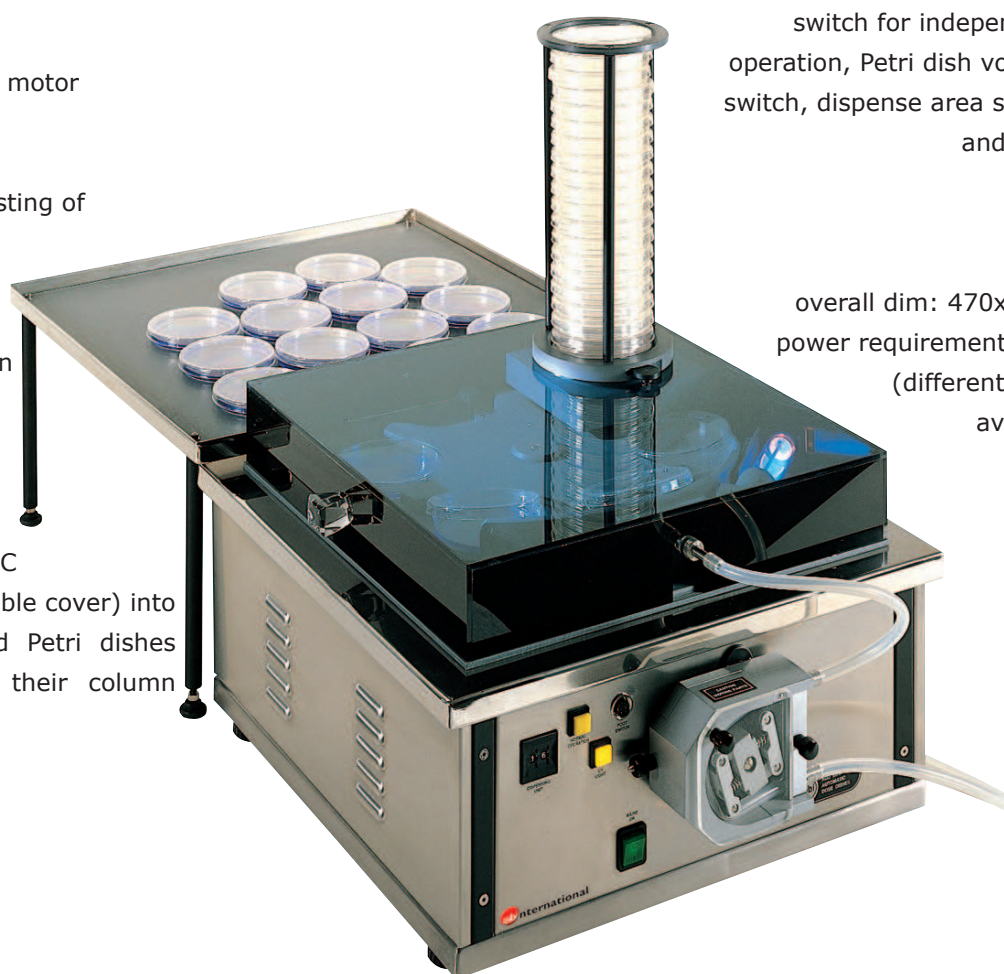
dispenser unit consisting of peristaltic pump with sterilizable silicone tubing and stainless steel suction and dispensing tips

weight 30 kg
overall dim: 470x470x660 h mm
power requirements: 220 V, 50 Hz
(different kind of voltage available request)

dispense chamber made entirely of PVC (with acrylic removable cover) into which the stacked Petri dishes are dropped from their column magazine

dispense area protected by UV lamp

warning light



WHAT TO ORDER

13120	"ADD-Mini-SS" for 90 mm diam. Petri dishes	1/box
--------------	--	-------

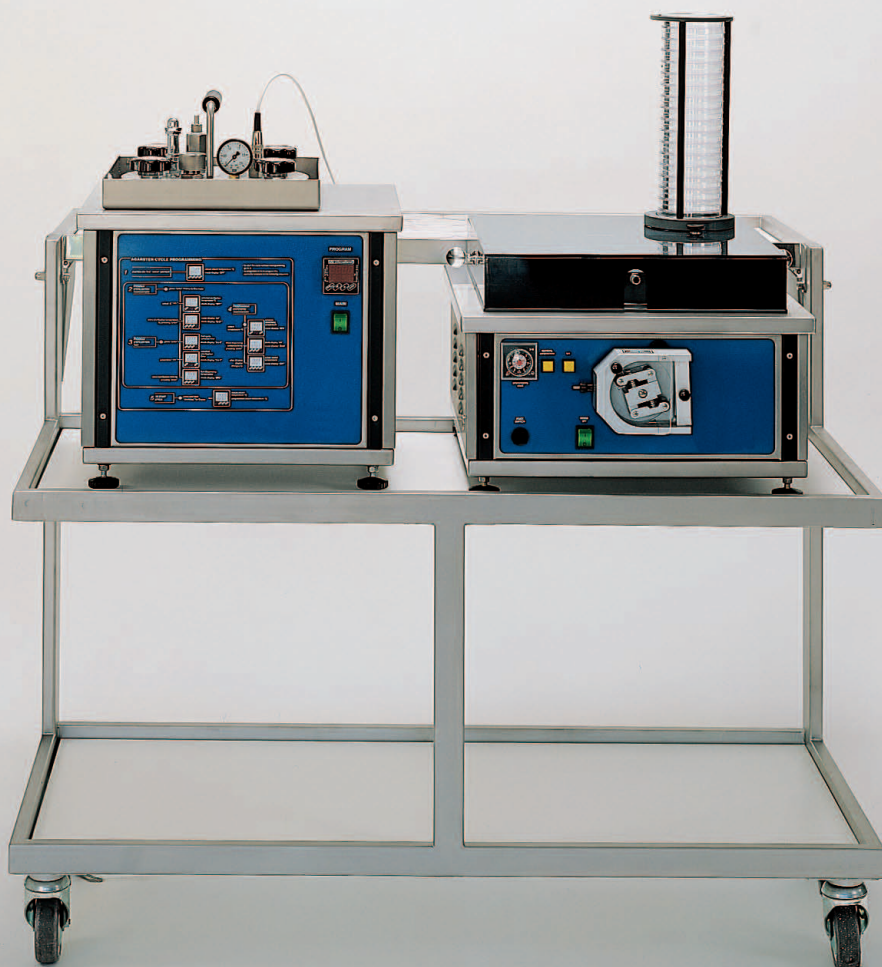
Accessories:

5221	"PLATFORM" table - tabletop size 500x500 mm	1/box
4841	"FILLING" tip - for dispensing of medium	1/box
4845	"RECO" connectors set - to join silicone tubing in the peristaltic pump	1/box
64230	"U.V." Lamp 6 W ultraviolet lamp	1/box

GEMELLI

MEDIA PREPARATION STATION

Consisting of: "Agarster-Eco-Mini" media preparator , "ADD-Mini SS" Petri dish filler, "Alp" trolley.



WHAT TO ORDER

89605	"Agarster Eco Mini" media preparator	1/box
13120	"ADD-Mini SS" petri dish filler	1/box
13101	"Alp" stainless steel trolley - dim.: 1260x920x955 h mm	1/box