

Uncover the Unseen

heipha. Product list

2011





DET NORSKE VERITAS MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 26809-2008-AQ-GER-TGA

This is to certify that



heipha Dr. Müller GmbH

**Lilienthalstr. 16
D-69214 Eppelheim**

has been found to conform to the Management System Standard

ISO 9001:2008

This certificate is valid for the following product or service ranges:

**Development, Production and Distribution of
Culture Media and Systems for Microbiology**

Initial Certification date:

02.09.1997

This certificate is valid:

01.11.2008 - 31.10.2011

*The audit has been performed under the
supervision of*

Dieter Schilde
Lead Auditor



Place and date:

Essen, 05.10.2009

for the Accredited Unit:

DNV ZERTIFIZIERUNG UND UMWELTGUTACHTER GmbH

Nikolaus Kim
Management Representative

This replaces the certificate with the issue date 16.10.2008.

Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV Zertifizierung und Umweltgutachter GmbH, Schnieringshof 14, 45329 Essen, Tel: +49 201 7296 300 Fax: +49 201 7296 333 - www.dnv.de/zertifizierung

Pharmaceutical and Cosmetic Products

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**Should the following pages not contain the media you need,
please contact us regarding other media or alternative filling volumes.**

Culture Media Produced in Modern Facilities

heipha is a leading supplier of culture media for medical microbiology and the pharmaceutical industry.

The facility near Heidelberg, Germany, fully meets the quality standards of the pharmaceutical industry and is EN ISO 9001-2008 certified. heipha operates in accordance with GMP guidelines supported by a comprehensive quality management system.

Culture Media in Petri Dishes



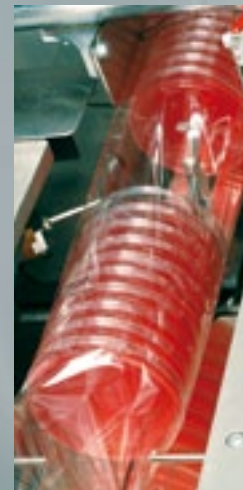
Application:

- sterility testing
- product testing according to EP and USP
- active and passive air sampling
- water testing
- personnel monitoring

Available as 90 mm and 150 mm plates.



Culture Media in Contact Plates



Application:

- environmental monitoring of surfaces
- air monitoring in commercially available sampling systems
- personnel hygiene monitoring

Contact plates are 55 mm in diameter and have a 1 cm² grid on the bottom in order to facilitate counting.

Culture Media in Tubes, Bottles, and Bags



Culture media are available in tubes and bottles.

Media in bottles are available with

- standard screw caps,
- wide neck screw caps,
- septum stoppers and
- septum stoppers combined with screw caps.

The product range includes a full line of culture media for environmental monitoring and sterility testing according to USP and EP. For use in sterile environments product safety has top priority. This especially applies when ready-to-use culture media are used in isolators or clean rooms. Therefore heipha has specialized in the development and production of such media to meet the highest standard.

The ICR Product Line



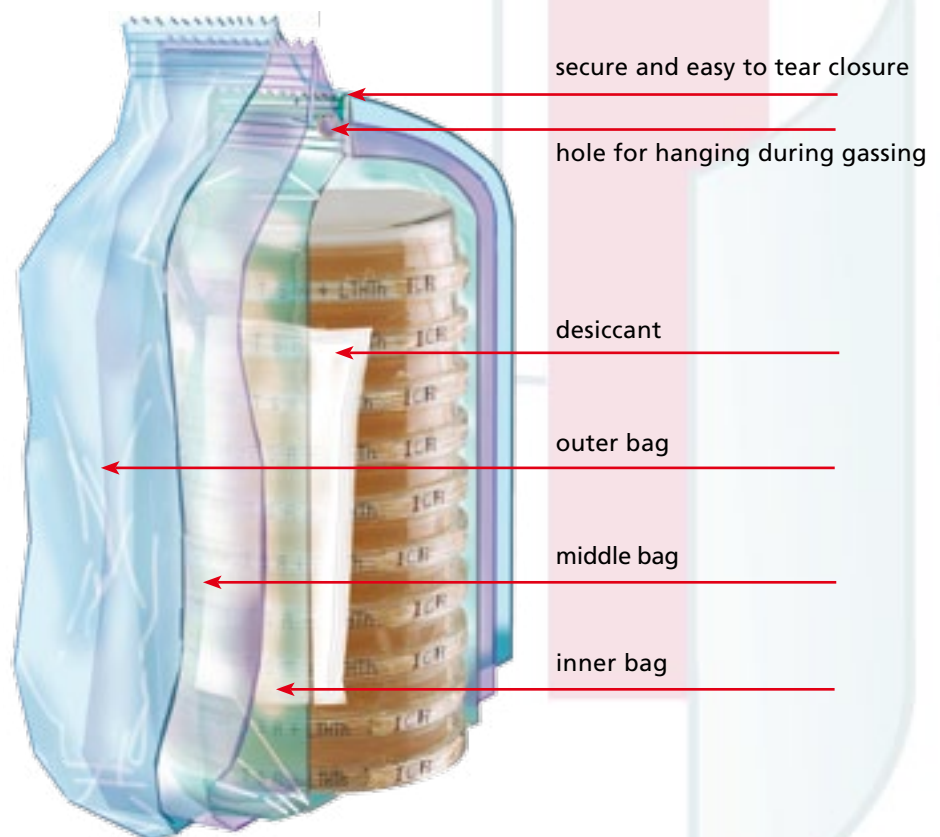
heipha consequently develops products for the special demands of the pharmaceutical industry. All ICR products are gamma-irradiated after final packaging.

Petri dishes and contact plates are supplied in quantities of ten and are wrapped in three sealed bags (triple-bagged). This particular packaging ensures safe transfer into isolators and clean room areas. Moreover, it provides protection against mechanical damage during handling. The inner bag is impermeable to H_2O_2 and includes a pouch with drying agent to minimize condensation. The bag has a hole at the sealed end to put it up in isolators during decontamination.

All plates are stored at **room temperature** and individually labelled on the rim with

- **product name,**
- **expiration date,**
- **lot number, and**
- **individual plate number.**

Triple packaging is designed for safety requirements in the most critical areas.



Unique Features of heipha ICR Plates:

- 1. Use in clean rooms and isolators = one product for all purposes
= less validation
- 2. Storage at room temperature = no cooling capacity blocked
= storage at site of application
- 3. Extended shelf life (up to 9 months) = less lots to be tested
= less documentation
- 4. Strong outer bag = maximum protection
= easy to open
- 5. Plates without spacers = no desiccated plates
= efficient recovery after long incubations
- 6. 30 ml filling volume (settle plates) = prolonged monitoring times
= higher recovery rates

ICR - Rely on Defined Conditions at Any Time !



The new heipha standard for surface monitoring



Individual Data Matrix Code

“CLOSED” lock by turning clockwise

for incubation at aerobic conditions, safe to transport



“VENT” lock by turning counter clockwise

for incubation at aerobic, microaerophilic or anaerobic conditions



ICR Culture Media - The Standard for Surface Monitoring

- storage at 15-25°C
- gamma-irradiated, triple-bagged
- transparent, H₂O₂-impermeable packaging
- prolonged incubation time
- long shelf life
- datamatrix-code on each plate

Description	Reference number	shelf life in months	units per pack
Contact Plates - 55 mm			
Tryptic Soy Contact Agar w. LT - ICR (TSA w. lecithin, Tween 80)	2284e	9	20*
Tryptic Soy Contact Agar w. LTHTh - ICR (TSA w. lecithin, Tween 80, histidine, thiosulphate)	2283e	9	20*

ICR - Swabs

ICR - Swabs (microfibre moisturized w. NaCl; triple-bagged, gamma-irradiated at >25 kGy; TSB w. lecithin + Tween 80 in a reservoir)	60515	6	100
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- removes all critical handling steps
- improved safety

* on request



ICR_{plus} Culture Media - The New Standard for Surface Monitoring

- storage at 15-25 °C
- gamma-irradiated, triple-bagged
- transparent, H₂O₂-impermeable packaging
- prolonged incubation time
- long shelf life
- datamatrix-code on each plate
- **plus:** lock by turning clockwise for aerobic incubation ("CLOSED")
- **plus:** lock by turning counter clockwise for aerobic / anaerobic / microaerophilic incubation ("VENT")
- **plus:** safe transport of locked plates

Description	Reference number	shelf life in months	units per pack
ICR_{plus} Contact Plates - 55 mm			
Chocolate Contact Agar + LTH - ICR _{plus} (Blood Agar w. lecithin, Tween 80, histidine)	835	4	20* 200
SDA Contact + LTHTh - ICR _{plus} (SDA w. lecithin, Tween 80, histidine, thiosulphate, replacement product for 25130e)	850	6	20* 200
SDA Contact + LTHTh selective - ICR _{plus} pink medium - to avoid confusion in your clean room (SDA w. lecithin, Tween 80, histidine, thiosulphate, irradiation-inert antibiotics)	851	6	20* 200
Tryptic Soy Contact Agar + LT - ICR _{plus} (TSA w. lecithin, Tween 80)	821	9	20* 200
Tryptic Soy Contact Agar + LTHTh - ICR _{plus} (TSA w. lecithin, Tween 80, histidine, thiosulphate)	820	9	20* 200
NEW Tryptic Soy Contact Agar + Neutralizer A - ICR _{plus} (for inactivation of difficult to neutralize disinfectants)			projected
TSA Contact Plates + β-Lactamases (Cephalosporinase/Penase) - 55 mm			
Δ NEW TSA Contact + LT + Cephase - ICR _{plus} (TSA w. new broad range β-lactamase II/penicillinase for inactivation of β-lactam antibiotics, TSA w. lecithin + Tween 80, replacement product for 2281e)	823	6	20* 200
Δ NEW TSA Contact + LTHTh + Penase - ICR _{plus} (replacement of 2280e)	824	6	20* 200

Δ Ask for availability

* on request

ICR - Culture Media - The Standard for Active and Passive Air Sampling

- storage at 15-25°C
- gamma-irradiated, triple-bagged
- transparent, H₂O₂-impermeable packaging
- prolonged incubation time
- long shelf life
- 30 ml filling volume
- datamatrix-code on each plate

Description	Reference number	shelf life in months	units per pack
Settle Plates - 90 mm			
Sabouraud Dextrose Agar w. LTHTh - ICR (SDA w. lecithin, Tween 80, histidine, thiosulphate) pink dishes - to avoid confusion in your clean room	03544e	6	20* 120
Tryptic Soy Agar - ICR (TSA)	03075e	9	20* 120
Tryptic Soy Agar w. LT - ICR (TSA w. lecithin, Tween 80)	030828e	9	20* 120
Tryptic Soy Agar w. LTHTh - ICR (TSA w. lecithin, Tween 80, histidine, thiosulphate)	030826e	9	20* 120

Settle Plates w. β -Lactamase (Cephalosporinase/Penase) - 90 mm

Δ NEW Tryptic Soy Agar w. LT + Cephase - ICR (TSA w. lecithin, Tween 80 + new broad range β -lactamase II/penicillinase for inactivation of known β -lactam antibiotics)	03085e	4	20* 120
Δ Tryptic Soy Agar w. LTHTh + Penase - ICR (TSA w. lecithin, Tween 80, histidine, thiosulphate + penase for inactivation of penicillins)	03086e	6	20* 120

Δ **Ask for availability**

*** on request**



TSA

Sabouraud

Culture Media - Environmental Monitoring in Isolators and Clean Rooms

ICR_{plus} - Culture Media - The New Standard for Active and Passive Air Sampling

- storage at 15-25 °C
- gamma-irradiated, triple-bagged
- transparent, H₂O₂-impermeable packaging
- prolonged incubation
- long shelf life
- 30 ml filling volume
- datamatrix-code on each plate
- **plus:** lock by turning clockwise for aerobic incubation ("CLOSED")
- **plus:** lock by turning counter clockwise for aerobic / anaerobic / microaerophilic incubation ("VENT")
- **plus:** safe transport of locked plates

Description	Reference number	shelf life in months	units per pack
Settle Plates - 90 mm			
Chocolate Agar + LTH - ICR _{plus} (Lecithin, Tween 80, histidine; for fastidious microorganisms)			projected
Tryptic Soy Agar - ICR _{plus} (TSA)			projected
Tryptic Soy Agar w. LT - ICR _{plus} (TSA w. lecithin, Tween 80)			projected
Tryptic Soy Agar w. LTHTh - ICR _{plus} (TSA w. lecithin, Tween 80, histidine, thiosulphate)			projected

Single-bagged Culture Media for Environmental Monitoring of Surfaces

RT and RT_{plus} - Contact Plates

- RT and RT_{plus}
 - storage at 15-25°C
 - long shelf life
 - prolonged incubation time
 - datamatrix-code on each plate
- RT_{plus}
 - lock by turning clockwise for aerobic incubation (“CLOSED”)
 - lock by turning counter clockwise for aerobic / anaerobic / microaerophilic incubation (“VENT”)
 - safe transport of locked plates

Description	Reference number	shelf life in months	units per pack
RT - and RT_{plus} - Contact Plates - 55 mm			
Contact Agar Baird Parker - RT	241e	6	20 200
Contact Agar DG 18 + Chloramphenicol - RT (Dichloran Glycerol Agar)	248e	6	20 200
Contact Agar MacConkey - RT	240e	6	20 200
Contact Agar Malt Extract - RT	250e	6	20 200
Contact Agar Plate Count - RT	238e	9	20 200
Contact Agar Sabouraud Dextrose w. Chloramphenicol - RT _{plus}	862	9	20 200
TSA Contact + LTH - RT _{plus} (lecithin, Tween 80, histidine)	860	9	20 200
Contact Agar Tryptic Soy - RT	235e	9	20 200
Contact Agar Tryptic Soy w. LTH - RT (lecithin, Tween 80, histidine)	234e	9	20 200
Contact Agar Violet Red Bile Dextrose (VRBD) - RT	245e	6	20 200

- Single-bagged media are not recommended for environmental monitoring of clean rooms as defined by the ISO standard 14644

Single-bagged Culture Media for Environmental Monitoring

LI - Settle Plates

- storage at 15-25 °C
- prolonged incubation time
- long shelf life
- 30 ml filling volume
- datamatrix-code on each plate

Description	Reference number	shelf life in months	units per pack
LI - Settle Plates - 90 mm			
Sabouraud Dextrose Agar (SDA) - LI	03300e	6	20 120
Sabouraud Dextrose Agar w. Chloramphenicol - LI	03350e	6	20 120
Sabouraud Dextrose Agar w. LHTH - LI (SDA w. lecithin, Tween 80, histidine, thiosulphate)	03540e	6	20 120
Tryptic Soy Agar (TSA) - LI	03074e	6	20 120
Tryptic Soy Agar w. LHTH - LI (TSA w. lecithin, Tween 80, histidine, thiosulphate)	030820e	6	20 120
Tryptic Soy Agar w. LTH - LI (TSA w. lecithin, Tween 80, histidine)	030821e	6	20 120

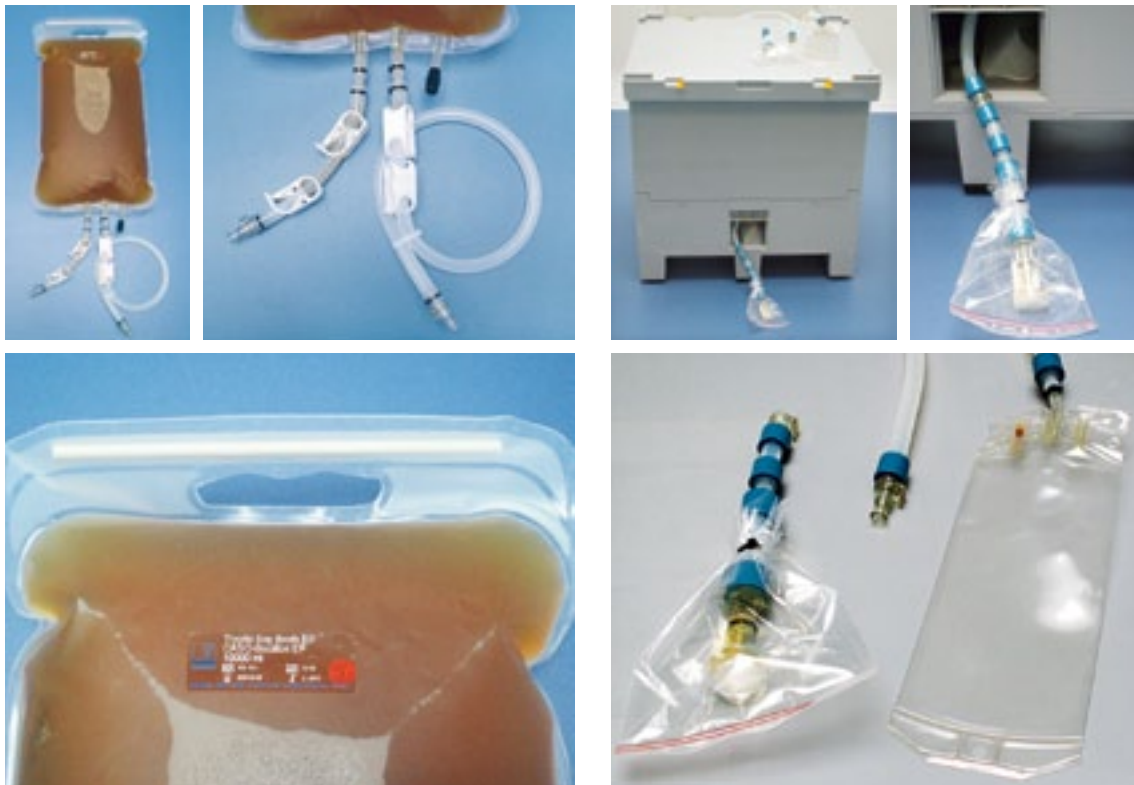
- **Single-bagged media are not recommended for environmental monitoring of clean rooms as defined by the ISO standard 14644.**

Culture Media in Bags for “Media Fills”

Tryptic Soy Broth in Bags

- Self collapsing, gamma-irradiated multi layer foil bags
- Highest safety through sterile filtration of autoclaved medium into bags

Description	Reference number	shelf life in months	units per pack
Tryptic Soy Broth acc. to EP and USP			
10 litres in 10 litre bag	502 10l b	12	1
100 or 200 litres in 200 litre bag	502bulk		on request
Vegetable Peptone Broth	404bulk		on request
Vegetable Peptone Broth	404 10l b		projected



The 10 litre bags are packed into three additional safety bags followed by gamma-irradiation at a dose of 9-20 kGy. The bags are supplied with an 80 cm outlet connection tube and a short outlet tube each containing a MPC-male connector for removal of the medium. In addition a separate septum is applied for supplementing the media.

The 200 litre bag is supplied with two tubes with MPC-male and ACD connectors for removal of the medium. One outlet tube is designed as a dip tube through which the medium can be pumped of the container. The second outlet tube is positioned at the bottom side of the bag for removal of the medium by gravity. For transportation the bags are packed into a transport container, which is provided with an opening for the bottom tube outlet.

Culture Media - Sterility Testing

Bottles with Different Caps Designed for a Variety of Handling Procedures



Description

Reference
number

shelf life
in months

units
per pack

Bottles

Fluid Thioglycollate Medium (acc. to EP+USP)			
100 ml - septum, flip cap	510100d	12	10
100 ml - septum, screw cap	510100sd	12	10
Thioglycollate Medium Clear			
100 ml - septum, flip cap	490100d	12	10
100 ml - septum, screw cap	490100sd	12	10
Tryptic Soy Broth (acc. to EP+USP)			
100 ml - septum, flip cap	502100d	12	10
100 ml - septum, screw cap	502100sd	12	10

Wash Solutions

Fluid A			
100 ml - septum, flip cap	579100d	12	10
300 ml - septum, flip cap	579300d	12	6
Fluid D			
100 ml - septum, flip cap	577100d	12	10
300 ml - septum, flip cap	577300d	12	6
NaCl-Peptone-Buffer pH 7.0 (acc. to EP+USP)			
300 ml - septum, flip cap	514300d	12	6

Detection of Mycoplasmas in Biopharmaceuticals

Mycoplasma Culture Media

- ready-to-use media
- formulations according to European Pharmacopeia 6.1 (2.6.7.) and Draft USP <63>



Description

Reference number

shelf life in months

units per pack

Liquid Media in Bottles (Storage at 4-12°C)

FREY Liquid Medium acc. to EP (100 ml, detection of <i>M. synoviae</i>)	397100	5	1
FRIIS Liquid Medium acc. to EP (100 ml, detection of non-avian mycoplasmas)	390100	6	1
HAYFLICK Liquid Medium acc. to EP (100 ml, general detection of mycoplasmas)	393100	4	1

Solid Media in 60 mm Plates (Storage at 4-12°C)

FREY Agar acc. to EP (detection of <i>M. synoviae</i>)	097e	≅ 3.0	20
FRIIS Agar acc. to EP (detection of non-avian mycoplasmas)	090e	≅ 2.5	20
HAYFLICK Agar acc. to EP (general detection of mycoplasmas)	093e	≅ 2.5	20

Notes:

- Ask for availability in your country
- If only 2 media are used for analysis, we recommend to use a combination of FREY and FRIIS media

Testing of Water and Non-Sterile Products

LI - Culture Media

- storage at 15-25°C
- long shelf life
- single-bagged
- 30 ml filling volume
- datamatrix-code on each plate

Description	Reference number	shelf life in months	units per pack
LI - Plates - 90 mm			
*R2A Agar - LI	0178e	6	20 120
NEW *R2A Agar Chromogenic - LI (contains dye to improve visibility of colonies)	0177e	4	20 120
R3A Agar - LI (ideal for subculturing of colonies from R2A Agar)	0173e	6	20 120

Bottles

NEW *R2A Agar - LI 200 ml in 250 ml screw cap	477200	10	6
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* Media prepared according to EP

Culture Media - Microbiological Examination of Non-Sterile Products

LI - Culture Media 90 mm Standard Plates

- storage at 15-25°C
- long term incubation
- single-bagged
- 30 ml filling volume
- long shelf life
- datamatrix-code on each plate



Description	Reference number	shelf life in months	units per pack
LI - Plates - 90 mm			
Baird-Parker Agar - LI (22 ml filling volume)	0203e	4	20 120
BPLS Agar - LI (Brilliant-green Phenol-red Lactose Sucrose Agar)	01042e	6	20 120
*Cetrimide Agar - LI	0110e	9	20 120
* MacConkey Agar - LI	0126e	6	20 120
* Mannitol-Salt Agar - LI	0128e	6	20 120
Δ Pseudomonas Agar F - LI (King's B Agar, detection of fluorescein)	01101e	9	20 120
Δ Pseudomonas Agar P - LI (detection of pyocyanin)	01102e	9	20 120
* Sabouraud Dextrose Agar (SDA) - LI	03300e	6	20 120
* Sabouraud Dextrose Agar w. LTHTh - LI (lecithin, Tween 80, histidine, thiosulphate)	03540e	6	20 120
* Sabouraud Dextrose Agar w. Chloramphenicol - LI	03350e	6	20 120
* Tryptic Soy Agar (TSA) - LI	03074e	6	20 120
TSA w. LTH - LI (lecithin, Tween 80, histidine)	030821e	6	20 120
TSA w. LTHTh - LI (lecithin, Tween 80, histidine, thiosulphate)	030820e	6	20 120
* Violet Red Bile Dextrose Agar (VRBD) - LI	0185e	6	20 120
* XLD Agar - LI	0152e	4	20 120

* Media prepared according to harmonized chapters of EP, USP, and JP

Δ Ask for availability

Culture Media - Microbiological Examination of Non-Sterile Products

Liquid Culture Media with Tamper-Proof Closures

Description	Reference number	shelf life in months	units per pack
Bottles			
NEW Caseinpeptone-Lecithin-Polysorbate-Broth			
(Lecithin, Tween 20)			
90 ml in 125 ml screw cap	585090	12	6
Lactose Broth			
90 ml in 275 ml wide neck **	523090-W	12	6
100 ml in 125 ml screw cap	523100	12	10
*MacConkey Broth			
100 ml in 125 ml screw cap	526100	12	10
100 ml in 250 ml screw cap	526100-B	12	6
1000 ml in 1000 ml screw cap	5261000	12	6
NEW Mod.Tween.Lethen Broth			
(Lecithin, Tween 80, thiosulfate, disulfite)			
90 ml in 250 ml screw cap	586090-B	6	6
* Mossel Broth			
100 ml in 125 ml screw cap	528101	8	10
* NaCl-Peptone Buffer			
90 ml in 275 ml wide neck**	514090-W	12	6
90 ml in 125 ml screw cap	514090	12	6
90 ml in 250 ml screw cap	514090-B	12	6
100 ml in 125 ml screw cap	514100	12	10
1000 ml in 1000 ml screw cap	5141000	12	6
* NaCl-Peptone Buffer w. 0.1% Tween 80, pH 7.0			
90 ml in 275 ml wide neck**	518090-W	12	6
200 ml in 250 ml screw cap	518200	12	6
1000 ml in 1000 ml screw cap	5181000	12	6
*NaCl-Peptone Buffer w. LTH			
(lecithin, Tween 80, histidine)			
90 ml in 275 ml wide neck**	590090-W	12	6
*Sabouraud Dextrose Broth			
100 ml in 125 ml screw cap	509100	12	10

* Media prepared according to harmonized chapters of EP, USP, and JP

** No Tamper-Proof Closures

Culture Media - Microbiological Examination of Non-Sterile Products

Liquid Culture Media with Tamper-Proof Closures

Description	Reference number	shelf life in months	units per pack
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Bottles

*Tryptic Soy Broth			
90 ml in 275 ml wide neck**	502090-W	12	6
100 ml in 275 ml wide neck**	502100-W	12	6
100 ml in 125 ml screw cap	502100	12	10
100 ml in 250 ml screw cap	502100-B	12	6
1000 ml in 1000 ml screw cap	5021000	12	6
NEW Tryptic Soy Broth w. LT			
(lecithin, Tween 80)			
90 ml in 250 ml screw cap	582090 B	12	6
NEW Tryptic Soy Broth w. LTHC			
(lecithin, Tween 80, histidine, cysteine)			
90 ml in 125 ml screw cap	58200090	12	6

- Other media in 2 litres bags on request
- Media in bottles with septum or combined septum/screw cap, see page 13

**Tubes

NEW *Mossel Broth (EE Broth) 10 ml	2193r	8	20
			100
* Rappaport-Vassiliadis Broth 10 ml	3922r	10	20
			100
* Thioglycollate Medium 9 ml	2171r	6	20
			100
* Thioglycollate Medium 10 ml	2170r	6	20
			100
* Thioglycollate Medium 15 ml	2173r	6	20
			100
* Tryptic Soy Broth 9 ml	3080r	12	20
			100
* Tryptic Soy Broth 15 ml	3084r	12	20
			100
* Tryptic Soy Broth w. LTHTh 10 ml	373r	12	20
(lecithin, Tween 80, histidine, thiosulphate)			100

* Media prepared according to harmonized chapters of EP, USP, and JP

** No Tamper-Proof Closures

Culture Media - Microbiological Examination of Non-Sterile Products

Bottles and Tubes for Pour-Plate Method

Description	Reference number	shelf life in months	units per pack
Bottles			
* Sabouraud Dextrose Agar			
200 ml in 250 ml screw cap	548200	9	6
400 ml in 500 ml screw cap	548400	9	6
* Sabouraud Dextrose Agar w. Chloramphenicol			
200 ml in 250 ml screw cap	550200	9	6
400 ml in 500 ml screw cap	550400	9	6
* Tryptic Soy Agar			
200 ml in 250 ml screw cap	501200	12	6
400 ml in 500 ml screw cap	501400	12	6
Tubes for Pour-Plate Method - 18 ml			
* Sabouraud Dextrose Agar	3351r	12	20 100
* Sabouraud Dextrose Agar w. Chloramphenicol	3350r	12	20 100
* Tryptic Soy Agar	3071r	12	20 100

*** Media prepared according to harmonized chapters of EP, USP, and JP**

Sample Preparation / Stock Culture / Dilution

Description	Reference number	shelf life in months	units per pack
Tubes			
NaCl, 0.9% 10 ml	2080r	12	20 100
NaCl, 0.9% 5 ml	2081r	12	20 100
NaCl Peptone Buffer EP 9 ml	1936r	12	20 100
NaCl Peptone Buffer w. LTH EP 9 ml	380r	12	20 100
Slant Agar in Tubes			
Sabouraud Dextrose Agar	1380r	18	20 100
Tryptic Soy Agar	307r	12	20 100

Chromogenic Media

Description	Reference number	shelf life in months	units per pack
<u>Bacillus spp.</u>			
90 mm Plates			
Cereus Ident Agar	174e	3	20 100
<u>E. coli and coliform bacteria</u>			
90 mm Plates			
Coli 2G-Agar	111e	2	20 100
TBX Agar (Tryptone Bile X-Glucuronid Agar, E. coli acc. to ISO 16649-1 or -3)	1875e	4	20 100
<u>Fungi, Yeast, and Molds</u>			
90 mm Plates			
Candida Ident Agar (chromogenic medium)	344e	3	20 100
<u>Listeria</u>			
90 mm Plates			
Listeria Agar acc. to Ottaviani a. Agosti (Listeria acc. to ISO 11290-1 a. -2)	178e	3	20 100
<u>Salmonella</u>			
90 mm Plates			
Salmonella Elective Agar (Rambach-Agar, chromogenic medium)	143e	4	20 100
Salmonella Ident Agar (chromogenic medium)	149e	4	20 100

DIP Slides, Enzymes, Inoculation Loops, Swabs, Miscellaneous

Description	Reference number	shelf life in months	units per pack
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Dip Slides

HYCON Dip Slide GK T / HS	0408	6	20
(T: semi-quantitative total count of aerobic microorganisms (TTC staining of colonies)			100
HS: semi-quantitative total count of yeast and molds)			

Enzymes

Lactamator™			
(broad range β-Lactamase, lyophilised; > 50 IU Cephalosporinase + > 500 IU Penicillinase per vial)	lct-5	36	10
Lactamator™			
(broad range β-Lactamase, lyophilised; > 2 kIU Cephalosporinase + > 20 kIU Penicillinase per vial)	lct-20	36	1
Lactamator™ liquid, sterile			projected
(> 100 IU Cephalosporinase + > 1000 IU Penicillinase per 10 ml vial)			

Inoculation loops

Inoculation loops 10 µl	731170		1 x 1000
Inoculation loops 1 µl	731101		1 x 1000

Swabs

Swabs	60500	60	1 x 100
(cotton/wood, individually wrapped, sterile)			5 x 100
ICR - Swabs	60515	10	100
(microfibre pre-moisturized w. NaCl; triple-bagged, gamma-irradiated at > 25 kGy; TSB w. lecithin + Tween 80 in a reservoir)			

Miscellaneous

Bottle Rack for 6 Bottles of 1000 ml	70219		1
(Ø max.: 10 cm)			
Bottle Rack for 15 Bottles of 1000 ml	70220		1
(Ø max.: 5 cm)			
Plate Rack for contact plates	63140		1
(Rack for 10 x 50 mm plates)			
Plate Rack for settle plates	63141		1
(Rack for 10 x 90 mm plates)			
Tube Rack for ICR - Swabs	63142		1

Signs and Symbols

Products are further specified through letters in reference numbers:

- a:** large plate (150 mm)
- e:** plate (90 mm), contact plate (55 mm)
- d:** flip cap/ septum
- sd:** screw cap/ septum
- r:** tubes
- W:** wide neck bottle

Shelf-life is specified in months, except as noted otherwise.

Please note that shelf-life starts at the date of production. For information please call our Customer Service.

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heipha's PU - shipping boxes help you saving costs:

- maintains constant temperature
- no Styrofoam boxes required
 - more packaging space available
 - fits on one pallet of 47.24 x 31.5 x 46.46 inches
- holds 6000 contact plates or 3600 settle plates
- box weight approx. 15 kg, 1.18 inch walls
- easy to disassemble and to return



On return costs for the PU - boxes will be refunded.

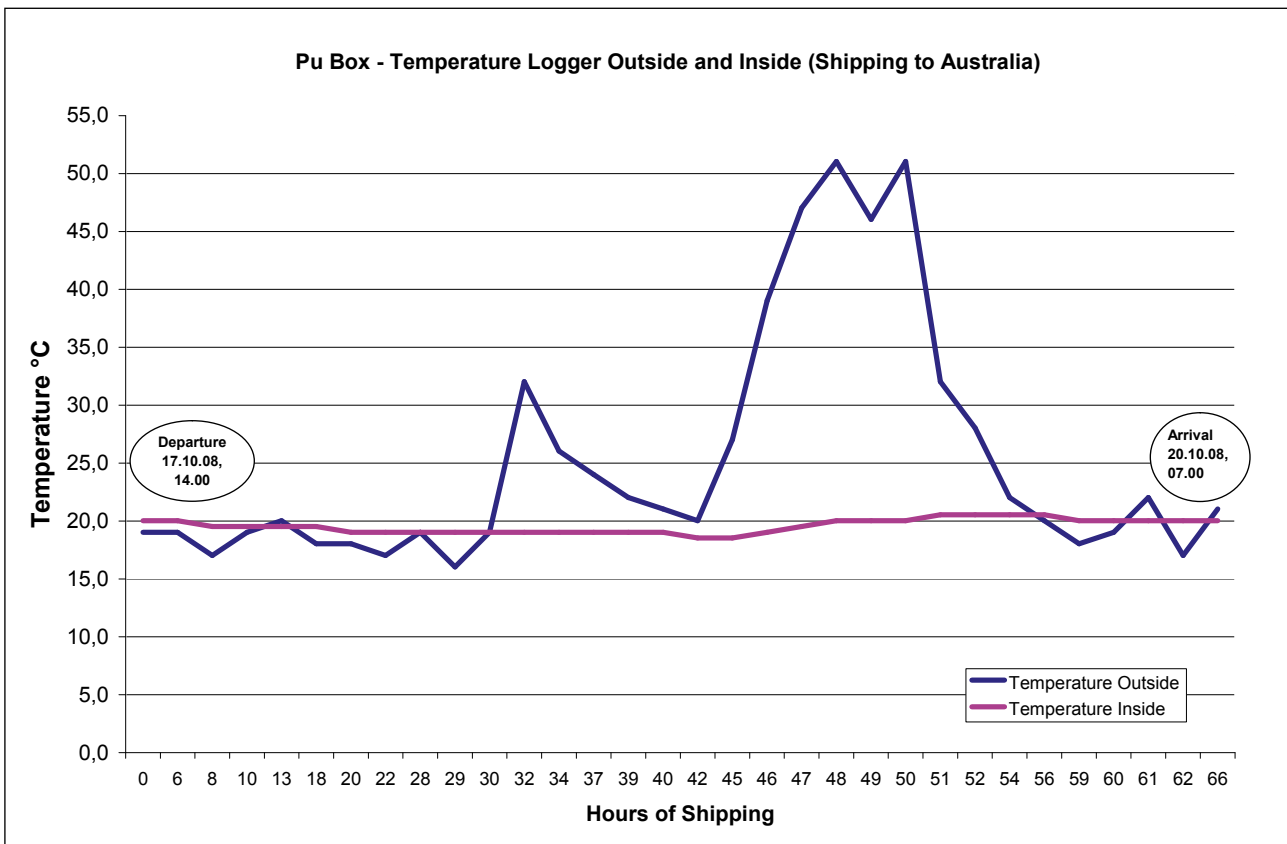


Fig.: Temperature Stability within the PU - box

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