

PHARMACEUTICAL CULTURE MEDIA

PMM Pharmaceutical Culture Media are of the highest quality media produced under strict pharmaceutical grade conditions. PMM are now the leading supplier of media to the Pharmaceutical Industry in Europe.



PLATES

Features included on all plates:

- Lockable petridishes.
- Long shelf-life.
- Room temperature storage: 15-25°C
- Temperature controlled delivery on request.
- Long incubations possible.
- Unique identification assigned by each plate with label and barcode.

Environmental Monitoring - triple bagged, gamma-irradiated plates - CSG-CLICK & SAFE GAMMA

For use in critical environments like clean room class A and B as well as in isolators

- Neutralizer: LTHT (L = lecithin/T = tween/H = histidine/T = Na-thiosulphate/G = Glycine).
- H²O² – impermeable foil.

Environmental Monitoring - single bagged - CS – CLICK & SAFE

For use in less critical environments like clean room class C and D.

- Neutralizer: LTH (L = lecithin/T = tween/H = histidine).

Selective Culture Media - CS – CLICK & SAFE

- Single bagged.
- Neutralizer: LTH (L = lecithin/T = tween/H = histidine).

BOTTLES

PMM bottles are designed with safety features as well as convenience for handling in mind:

- Unique data matrix code on every bottle.
- Autoclaving indicator on every bottle.
- Packaged to minimize bioburden.

Infusion bottles with flip-off caps

- Volumes: 100ml, 500ml.

Bottles with Screw Cap

- Innovative, secure closure.
- Wide neck bottle with 31mm opening.
- Volumes: 200ml, 1000ml.

CUSTOMISED PRODUCTS

Special customers need special solutions!!!

To support our customers in specific applications we can provide the production of customized products for you. Enquire from TECHNOPATH today.



OUR COMMITMENT TO YOU

INNOVATIVE SOLUTIONS FOR THE PHARMACEUTICAL INDUSTRY

TECHNOPATH have been identifying, sourcing, developing and supplying leading edge technologies, driven by our customer needs, across the BIOTECHNOLOGIES sector since 1997.

We continually strive to develop complementary product groups for our customers and partner with market-leading manufacturers for the most innovative product lines.

- Pharmaceutical Culture Media
- Environmental Monitoring Software
- On-site Microbial Identification Systems
- On-site Pipette Calibration & Verification Systems
- Real-Time PCR Hygiene Monitoring System
- Third-Party Instrumentation Servicing

SUPERIOR CUSTOMER SUPPORT & SERVICE

The customer is at the forefront of everything we do and that is why not only do we source the highest quality products, we provide technical expertise and superior support and service.

We believe that the core strength of our company lies in the level of expertise and technical knowledge evident in our workforce.

TECHNOPATH offers full on-site validation and technical support for each of our product lines.

Our team are all experts in their field and will be able to answer any technical questions you may have.

IQ | OQ



ISO: 9001
ISO: 13485
Certified



TP00000239.1.v1



T E C H N O P A T H

CONTACT US

Main Office:
TECHNOPATH
Fort Henry Business Park, Ballina, Co. Tipperary,
V94W967, Ireland
Tel IRL: (0)61 335844 | Fax: (0)61 203034

Email: info@techno-path.com | www.techno-path.com

For further information on any of the above product offerings please contact TECHNOPATH on the below details or check out our website:
www.techno-path.com

UK Office:
TECHNOPATH
Riverbridge House, Leatherhead
Surrey KT22 9AD, UK
Tel UK: (0)28 30833808 | Fax: (0)28 30833650



PHARMACEUTICAL CULTURE MEDIA

from
PHARMAMEDIA DR. MÜLLER GMBH
Your partner for quality and service



ROOM TEMPERATURE STORAGE
LONGLIFE
CUSTOMISED FILLS
EXTENDED INCUBATION



T E C H N O P A T H

Brought to you by:
TECHNOPATH Distribution Ltd, proudly partnering with Pharmamedia Dr. Müller GmbH in the UK & Ireland.



BROUGHT TO YOU BY: TECHNOPATH

TECHNOPATH only partner with market-leading manufacturers of innovative products, that is why we are proud to partner with PMM for your Pharmaceutical Culture Media needs. Combined with these high quality product lines, TECHNOPATH provide unrivalled technical support. Our specialised teams are highly trained, providing the best possible standard of customer service and technical support along with a sophisticated supply chain management system. Our customers take precedence and are at the forefront of everything we do.

TECHNOPATH Distribution Ltd
Fort Henry Business Park, Ballina Co. Tipperary, Ireland
www.techno-path.com

PHARMAMEDIA DR. MÜLLER GMBH

Your partner for quality and service

Pharmamedia Dr. Müller GmbH (PMM) was founded in January 2013 by Dr. Rolf Müller who has also founded heipha Dr. Müller GmbH more than 40 years ago. PMM has now established itself as a leading supplier of nutrient media for the pharmaceutical industry in Europe. The goal of Dr. Rolf Müller and the experienced team is to provide high quality, innovative media, combined with service as well as flexibility. The focus of the company is exclusively the pharmaceutical industry, and is working aligned to GMP-requirements expected.

Production Facilities

Production is performed in clean rooms which are in accordance with the EC-GMP guidelines, ISO 14644 and FDA Guidance for Industry "Sterile Drug Produced by Aseptic Processing" with respect to air-exchange rates, laminar air-flow, clean-room classification and particle rates at rest. PMM are certified according ISO 9001:2015.

BSE/TSE - Policy

Beside chemically well-defined raw materials an essential part of nutrient media are complex mixtures of peptones or extracts of biological origin. To assure the use of safe raw materials, the animal source and its country of origin is reviewed for each new batch of raw material. Specific attention is given to the control of ruminant material which might pose the risk of transmitting animal spongiform encephalopathy agents. In compliance with the "Note for guidance on minimizing the risk of transmitting animal spongiform encephalopathy via human or veterinary medicinal products" (EMA 410/01) we check the CoO of the raw material in respect to the specified animal source, the country of origin and the infectivity category. We neither store or process ruminant raw materials obtained from high infectivity tissues (IA) nor ruminant raw materials whose animal source originates from countries or regions with an undetermined BSE risk (cat. C/GBR IV).



PharmaMedia Dr. Müller GmbH
Gustav-Throm-Str. 1
69181 Leimen
Germany

www.pmm-leimen.de



WHY USE PMM MEDIA?

PMM Pharmaceutical Culture Media are of the highest quality media produced under strict **Pharmaceutical Cleanroom conditions (Class A)**. PMM are now the leading supplier of media to the Pharmaceutical Industry in Europe.

Providing you with the highest quality nutrient-rich media is down to the production facilities, design of the packaging and the following unique features.

Gamma-irradiation of media

The irradiation of media is the last step of the media production process. Besides the production environment during the filling process the irradiation process is quite critical in order to provide the safety required for critical applications in the pharmaceutical industry. PMM exclusively using gamma-irradiation for the irradiation of our media. The irradiation doses need to be high enough to kill effectively the bio burden without influencing the quality of the medium. To guarantee the quality of gamma-irradiated media it is mandatory to control the quality of the raw materials very thoroughly.

PMM plates are irradiated at an external irradiation service provider. The media are packed in a certain loading scheme on a pallet and are irradiated always the same way. A dosimetry was performed, showing that at all locations on that pallet are within the required doses window of 9 to 20 kGy.

The PMM TSA U+ Contact Plate

Surfaces treated with QAC's need to be properly rinsed/washed to reduce the amounts of residues before surface sampling with standard TSA+ LTHT contacts plates are taken. The PMM U+ Plate was developed to inactivate even very high concentrated QSC levels, a common risk of causing negative results. PMM have shown that TSA U+ contact Plates are able to inactivate at least 25 times higher concentrated QSC's and biguanides compared to today's commonly used contact plates.

Further technical information is available on request.

Locking Lids and the Growth of anaerobic micro-organisms

All petri dishes manufactured by PMM have the newly designed locking lid functionality. This gives the option to incubate the plates either in VENT or alternatively in the CLOSED position.

CLOSED-Position: recommended for standard incubation of micro-organisms.

VENT-Position: For the detection of anaerobic microorganisms the plates have to be incubated in the VENT-Position. Closing the lid in the VENT-position results in a small gap between the lid and the bottom of the plate. This allows an improved gas exchange with the incubation environment, thus optimizing the incubation conditions for the detection of anaerobic microorganisms.

All plates are delivered in an open position and can be turned to the locked position after sampling.

Data Matrix Code

The combination of the lot number and the unique identification number allow specific identification of each single plate provided by PMM. The user can identify each plate and combine these with sampling specific data like place of sampling, operator, date, time, etc., to the evaluate the plate. By using an electronic system this could result in:

- A paperless environmental monitoring process.
- Reducing the risk of contaminating plates by writing on them.
- Time savings.
- Avoid mistakes by transferring the data manually.
- The location on the side allows reading/identifying the plate even if the plate is stacked in a staple.



Petri dish

Sterile 90 mm petri dishes as well as contact plates are made out of pure polystyrene. Plates are irradiated prior to the use in our production to minimize the risk of introducing a bioburden to our cleanroom as well as to minimize the risk of contaminating our finished products.

PACKAGING

Multilayer foil used for packaging of CS as well as CSG products

All PMM culture media in plates are either **single bagged** or **triple bagged** in a multi-layer foil. The foil for all layers is identical and composed of a multilayer film with a special gas barrier layer. The different layers of the multi-layer foil are lined together by a solvent free co-extrusion process. Multilayer foils are necessary to achieve the required strength of the welding seam as well as to protect the medium. The foil is especially designed to have a high gas barrier. Therefore the media inside the bags are protected against dehydration and furthermore potentially harmful gas (e.g. H2O2) cannot penetrate easily from the out- to the inside.



Insulating Packaging Material - Silver-colored Air Bubble Foil

All PMM culture media in plates are packed in card board boxes with an additional insulating layer of silver-colored air bubble foil. The insulation is necessary to protect the plates against temperature fluctuations during transport and storage. The coating is made of polyester.

Desiccant

To minimize the amount of condensation in our products, a desiccant bag is added. The desiccant bags are gamma-sterilized prior to the application to the plate staples. The bag material is made from Tyvek®, the desiccant material itself is silica gel. The desiccant bags used are classified as Type II: Non-dusting.

Want to keep track of every single sample?

SherpaPharma is a software solution for managing the Environmental Monitoring process within your pharmaceutical company. To learn more about this product, contact TECHNOPATH today.

