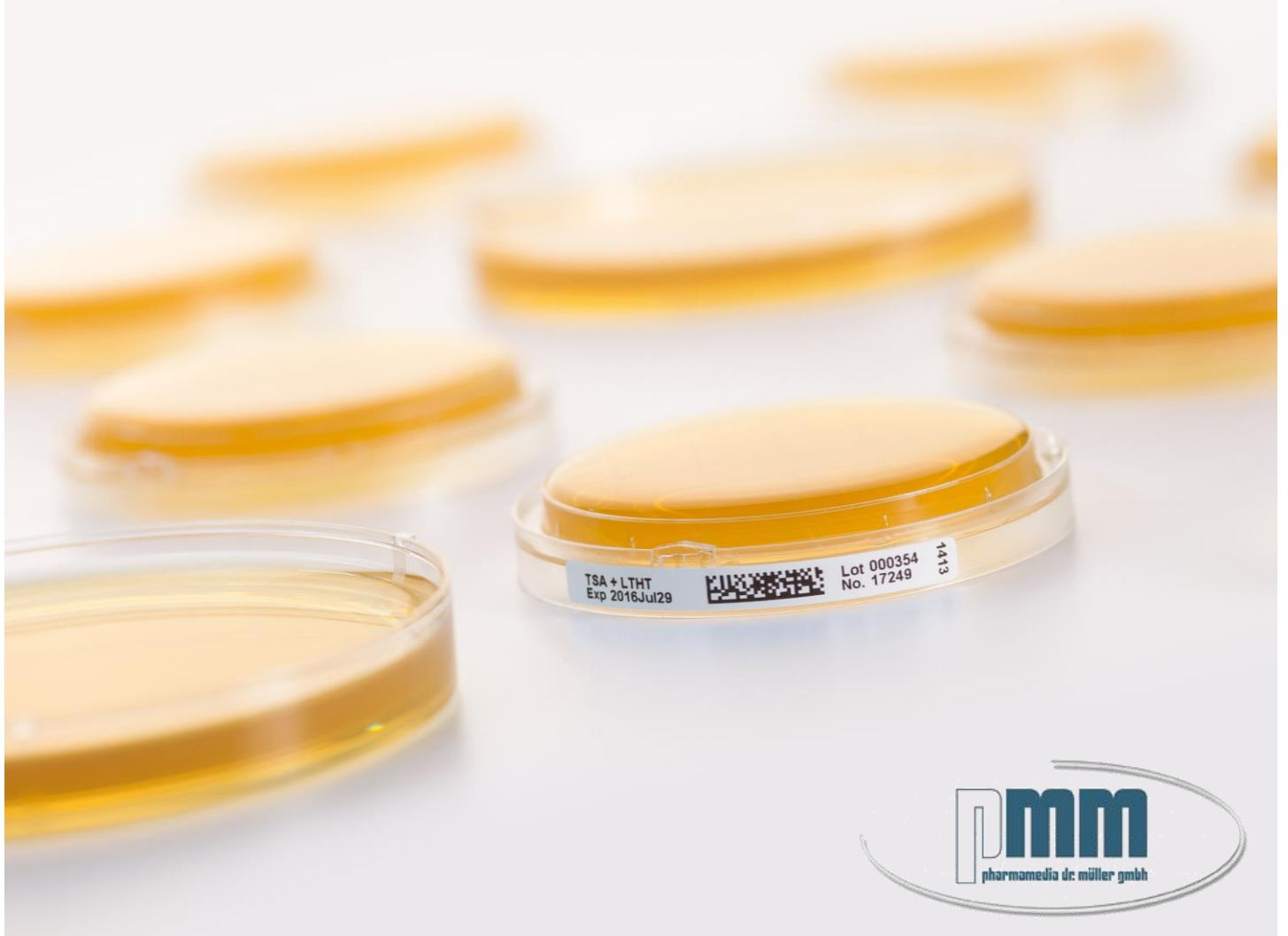


# PMM Company Presentation

Your Partner for  
Quality and Service



TSA + LTHT  
Exp 2016Jul29



Lot 000354  
No. 17249

4413



# PHARMACEUTICAL CULTURE MEDIA

PMM Pharmaceutical Culture Media are of the highest quality, produced under strict pharmaceutical grade conditions, dedicated to environmental monitoring

## PLATES



- Features included on all plates:
- Lockable plates (Click & Safe)
  - Long shelf life
  - Room temperature storage (15-25°C)
  - Temperature controlled delivery upon request where possible
  - Long incubation without cracking
  - Unique identification number 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, isolators and RABs

- Neutraliser: LTHT (Lecithin, Tween, Histidine, Thiosulphate) or U+
- H<sub>2</sub>O<sub>2</sub> impermeable foil

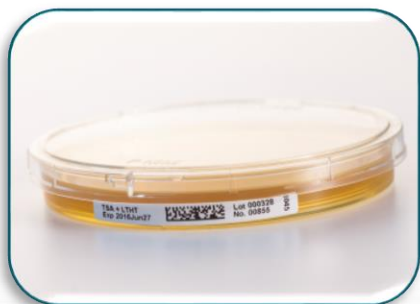
**Environmental Monitoring - single bagged - CS (Click & Safe)**

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

- Neutraliser: LTH (Lecithin, Tween, Histidine)

**Selective Culture Media - CS – CLICK & SAFE**

- Single bagged
- EP/USP culture media



## BOTTLES



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

- Unique identification number assigned by each bottle with label and barcode
- Autoclaving indicator on every bottle
- Packaged to minimize bioburden
- Several colours available

**Bottles with Screw Cap**

- Innovative, secure closure
- Wide neck bottle with 31mm opening
- Volumes: 200ml, 500ml, 1000ml

**Infusion bottles with flip-off caps**

- Volumes: 100ml, 250ml, 500ml, 1000ml bottle size



## CUSTOMIZED PRODUCTS

Culture media and filling volumes adapted to your needs

To support our customers in specific applications we can provide the production of customised products for you

## WHY USE PMM MEDIA?

PMM Pharmaceutical Culture Media are of the highest quality and produced under strict **Pharmaceutical Cleanroom conditions**. PMM is now one of the leading suppliers of media to the Pharmaceutical Industry in Europe.

To provide you the highest quality of media, we focus on the production facilities, design of the product and the packaging as well as 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 uses gamma-irradiation within 9 to 20 kGy. Strict controls are performed to ensure the homogeneity and the efficacy of the irradiation.

Quality control performed after irradiation (GPT) confirms that the irradiation has not affected the recovery of our culture media.

### PMM TSA U+ Contact Plate

Surfaces treated with QAC's need to be properly be rinsed/washed to eliminate residues before surface sampling with standard TSA+ LTHT contacts plates are taken. PMM U+ Plate was developed to inactivate even very high concentrated QACs levels, a common risk of causing negative results. PMM has 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 TSA-LTHT contact plates.

Further technical information is available on request.

### Locking Lids and anaerobic micro-organisms

All our Petri dishes have the newly designed locking lid functionality.

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

**VENT-Position:** For optimized growth of anaerobic microorganisms, the plates show better recovery when incubated in the VENT-position under anaerobic conditions. Turning the lid in the VENT-position results in a small gap between the lid and the bottom of the plate, allowing an improved gas exchange with the incubation environment.

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 read out the plate.

By using an electronic system this could result in:

- 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



## **Burkholderia cepacia complex selective agar (BCCSA)**

We are happy to introduce our BCCSA culture media dedicated to the detection of *Burkholderia cepacia* complex to comply with the detection of these isolates. Developed with compendial strains and house isolates from pharmaceutical environment, our BCCSA culture media fulfil the growth promotion requirement from USP <60>.

**NEW**

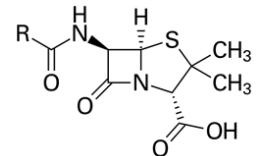


## **Cleanroom monitoring & inactivation of antibiotics with TSA-β-lac 2G**

PMM is proud to have the most active and stable β-lactamase plates available, for the inactivation of penicillin as well as first to fifth generation of cephalosporins. It has been especially designed for use in environments with exposure to β-lactams antibiotics.

The β-lactamase used in this product belongs to the latest generation.

The substrate spectrum and stability is superior to all other commonly used β-lactamases.



## **Packaging**

### **Multilayer foil used for packaging of CS and 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. H<sub>2</sub>O<sub>2</sub>) cannot penetrate from the out- to the inside.

### **Insulating packaging for better protection**

All PMM culture media in plates are packed in card board boxes with an additional insulating layer of silver-coloured 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 condensation**

To minimise 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.



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