TECHNICAL DATA SHEET

RHAPSODY AGAR®

DETECTION AND ENUMERATION OF *PSEUDOMONAS* SPP. BM16708

1 INTENDED USE

RHAPSODY Agar® is a selective medium used for the detection and the enumeration of *Pseudomonas* spp. in food products and environmental samples. The medium is specially adapted to the analysis of milk and meat products. Enumeration is performed directly without the need for purification and confirmation steps recommended in most reference methods.

2 PRINCIPLES

The peptones constitute nutritive substrates necessary for the rapid growth of *Pseudomonas*.

The chromogenic substrate contained in the medium is hydrolyzed by all *Pseudomonas*. As a result, colonies present a blue to blue-green coloration.

The selective system insures the inhibition of secondary flora.

The association of the chromogenic substrate and inhibitor system in the **RHAPSODY Agar®** composition permits a direct result through the enumeration of characteristic colonies after 48 hours of incubation, without confirmation.

3 INSTRUCTIONS FOR USE

- To the surface of pre-poured plates (BM167), transfer 0.1 mL of the sample to be tested and its serial dilutions.
- Spread the inoculum with a sterile triangle or “hockey stick”.
- Incubate at 30 ± 1 °C for 48 hours ± 2 hours.

✓ **Inoculation :**
On surface

✓ **Incubation :**
48 ± 2 h at 30 ± 1 °C

4 RESULTS

Count characteristic blue to blue-green colonies on plates containing a maximum number of 150 characteristics colonies. Colony diameter and blue to blue-green color intensity may vary according to *Pseudomonas* species.
The expression of the results should be made conform to the recommendations established in ISO 7218.

See ANNEX 1 : PHOTO SUPPORT.

Notes : Plates may be read on a white background for a better convenience.

5 TYPICAL COMPOSITION

The typical composition can be adjusted to obtain optimal performance.

For 1 liter of medium :

- Peptones ..... 28.2 g
- Buffer system ..... 7.0 g
- NaCl ..... 5.0 g
- Selective agents ..... 5.5 g
- Chromogenic substrate ..... 0.2 g
- Bacteriological agar ..... 15.0 g

pH of ready-to-use medium at 25°C : 7.0 ± 0.2.

6 QUALITY CONTROL

Complete medium : amber agar.

Typical cultural response on complete medium after 48 hours of incubation at 30°C (XP CEN ISO/TS 11133):

Microorganisms		Growth (Productivity ratio : P_R)
Pseudomonas aeruginosa	WDCM 00026	$P_R \geq 50\%$
Pseudomonas aeruginosa	WDCM 00025	$P_R \geq 50\%$
Pseudomonas putida	WDCM 00117	$P_R \geq 50\%$
Pseudomonas fluorescens	WDCM 00115	$P_R \geq 50\%$
Escherichia coli	WDCM 00013	inhibited, score 0
Staphylococcus aureus	WDCM 00034	inhibited, score 0

7 STORAGE

Pre-poured medium : 2-8°C, shielded from light.

Expiration dates are indicated on the labels.

8 PRESENTATION

Pre-poured media in Petri dishes (∅ 90 mm)

20 plates BM16708

9 BIBLIOGRAPHY

NF V 04-504. March 2006. Microbiology of food and animal feeding stuffs. Enumeration of *Pseudomonas* spp. in meats and meat products. Routin method.

XP ISO/TS 11059 (V 04-025). October 2009. Milk and milk products. Method for the enumeration of *Pseudomonas* spp..

NF EN ISO 13720 (V08-504). November 2010. Meat and meat products - Enumeration of presumptive *Pseudomonas* spp..

10 ADDITIONAL INFORMATIONS

RHAPSODY Agar is a trademark of SOLABIA S.A.S..

The information provided on the package take precedence over the formulations or instructions described in this document and are susceptible to modification at any time, without warning.

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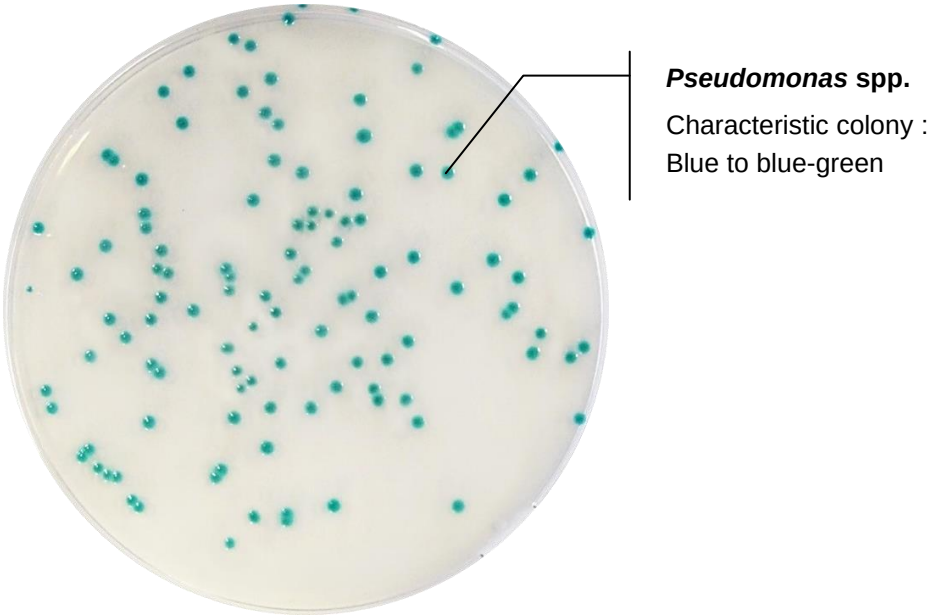
RHAPSODY Agar®

Detection and enumeration of *Pseudomonas* spp..

Reading :

Growth obtained after 48 hours of incubation at 30 °C.



Colony diameter and blue to blue-green color intensity may vary according to *Pseudomonas* species.