MIDDLEBROOK 7H 10 (OADC) *Supplement*

Growth supplement for the preparation of medium MIDDLEBROOK 7H 10 (OADC) AGAR

DESCRIPTION

MIDDLEBROOK 7H 10 (OADC) *Supplement* is a liquid growth supplement made of oleic acid, bovine albumin, glucose, catalase and sodium chloride, to use as supplement of culture medium MIDDLEBROOK 7H 10 AGAR BASE code 611022 or 621022 , or MIDDLEBROOK 7H 11 AGAR BASE code 610213 or 620213, for the cultivation of mycobacteria.

KIT CONTENTS

Each kit contains:
• 4 bottles of MIDDLEBROOK 7H 10 (OADC) *Supplement* of 50 ml.
• 1 instructions sheet

PRINCIPLE OF THE METHOD

MIDDLEBROOK 7H 10 (OADC) *Supplement* supports the mycobacterial growth since it provides oleic acid that, as other long chain fatty acids, can be used by tubercular bacilli and has an important role in mycobacterial metabolism; the albumin main effect is to protect tubercular bacilli by toxic agents and therefore to increase the recovery at a first isolation; glucose is a strong energetic source; catalase destroys eventual peroxides in medium; sodium chloride maintains the osmotic balance of medium.

COMPOSITION

MIDDLEBROOK 7H 10 (OADC) *Supplement*		
	Content / bottle	Contenuto / l of medium
Acido Oleico	0.03 ml	0.06 ml
Albumina Bovina (Frazione V)	2.5 g	5.0 g
Glucosio	1.0 g	2.0 g
Catalasi	0.0015 g	0.003 g
Sodio Cloruro	0.425 g	0.85 g
Acqua Distillata	50.0 ml	--------

PROCEDURE FOR USE

1. Add aseptically the entire content of one bottle of MIDDLEBROOK 7H 10 (OADC) *Supplement* (50 ml) to 450 ml of medium MIDDLEBROOK 7H 10 AGAR BASE code 611022 or 621022, or MIDDLEBROOK 7H 11 AGAR BASE code 610213 or 620213, autoclaved and cooled at 45-50 °C.
2. Mix with care.
3. Dispense into the final containers and let solidify.

TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical documentation for MIDDLEBROOK 7H 10 AGAR BASE code 611022 or 621022, or MIDDLEBROOK 7H 11 AGAR BASE code 610213 or 620213.

QUALITY CONTROL

1. Control of the appearance: amber colour liquid, limpid or slightly opalescent.
2. Microbiological control.
Prepare the tubes using as base the medium MIDDLEBROOK 7H 10 AGAR BASE code 611022 or 621022 added with MIDDLEBROOK 7H 10 (OADC) *Supplement*. The tubes are inoculated with the strains indicated in the microbiological control table.
Incubation conditions: 36 ± 1 °C for 21 days in atmosphere containing 10% CO_2.
Microbiological control:

	Control strains	Growth
Mycobacterium scrofulaceum	ATCC 19981	Good
Mycobacterium intracellulare	ATCC 13950	Good

PRECAUTIONS

The product MIDDLEBROOK 7H 10 (OADC) *Supplement* is not classifiable as hazardous under current legislation. MIDDLEBROOK 7H 10 (OADC) *Supplement* is a selective supplement to be used only for *in vitro* diagnostic use. It is intended for use in a professional environment and must be used in the laboratory by properly trained personnel, using approved asepsis and safety methods for handling pathogenic agents.

STORAGE

Store MIDDLEBROOK 7H 10 (OADC) *Supplement* at 2-8 °C in its original packaging. In such condit ions MIDDLEBROOK 7H 10 (OADC) *Supplement* will remain valid until the expiry date indicated on the label. Do not use beyond that date. Eliminate without using if there are signs of deterioration.

REFERENCES

• Dubos and Middlebrook. (1947). Am. Rev. Tuberc. 56: 334.
• Middlebrook d Cohn. (1958). Am. J. Pub. Health 48: 844.
• Middlebrook, G., M.L. Cohn, W.B. Dye, W.B. Russell, Jr., D. and Levy. 1960. Acta. Tubercul. Scand. 38: 66.

PRESENTATION

Product	REF	$\overline{\underset{\Sigma}{\nabla}}$
MIDDLEBROOK 7H 10 (OADC) *Supplement*	81035	4 bottles x 50 ml

TABLE OF SYMBOLS

IVD	*In Vitro* Diagnostic Medical Device		Do not reuse		Manufacturer		Contains sufficient for <n> tests		Temperature limitation
REF	Catalogue number		Fragile, handle with care		Use by		Caution, consult accompanying documents	LOT	Batch code

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