Buffered Nitrate Motility Medium

TN1078 500 g

Intended use
Used for the confirmation of Clostridium perfringens (according to § 64 German Food and Feed Code).

Form
Powder

Colour
Bright beige

Storage
Dry, tightly closed, at 10…30 °C.

Shelf life
3 years

Directions
Suspend 20 g in 1 litre distilled water, add 5 ml Glycerin TN1424 and heat until completely dissolved. Dispense into tubes and autoclave for 15 minutes at 121 °C. Allow to set in upright position.

Typical composition

Component	g/l
Meat extract	3.0
Casein peptone	5.0
Potassium nitrate	1.0
Galactose	5.0
Disodium hydrogen phosphate	2.5
Agar	3,5

Final pH at 25 °C
7.3 ± 0.2

Microbiological quality control
Incubate Buffered Nitrate Motility Medium for 18-24 hours at 36 ± 1 °C.

Test strain	No.	Motility	Nitrate reduction
Clostridium perfringens	ATCC 13124 WDCM 00001	-	+
Clostridium sporogenes	ATCC 19404 WDCM 00008	+	-
Clostridium bifermentans	NCTC 506 WDCM 00079	+	-
Escherichia coli	ATCC 8739 WDCM 00012	+	+
Escherichia coli	ATCC 25922 WDCM 00013	+	+
Escherichia coli	ATCC 11775 WDCM 00090	+	+

Date of revision: 2024/11/20

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