



Dehydrated Culture Media
Instructions for Use

NON-FAT DRY MILK (M577-20kg) Dehydrated Culture Media

USE: Non-Fat Dry Milk (NFDM) is used in preparing culture media for microbiology in the laboratory. It may be used in the cultivation and differentiation of microorganisms based on the metabolism of milk constituents.

DESCRIPTION: NFDM is spray-dried, dehydrated milk with less than 5% moisture content and less than 1.5% fat content. It is used as a source of lactose, casein, and other nutrients found in milk for the cultivation of microorganisms.

FORMULA:

Non-Fat Dry Milk 100.0 g/L
Total 100 g/L

Note: Medium may be adjusted and/or supplemented as required to meet performance criteria.

Final pH*: 6.6 ± 0.2 at 25°C

*pH of commercial Non-Fat Dry Milk may range from 6.1 – 7.0. A specific range will be provided on the Certificate of Analysis for each lot.

PHYSICAL APPEARANCE:

Dehydrated Appearance – Cream-white, homogenous, and free-flowing

Prepared Appearance – Milky white, opaque.

PROCEDURE: Mix 100 grams of the medium in one liter of purified water. Autoclave at 121°C for 15 minutes.

EXPECTED RESULTS: Cultural response after 24-48 hours at 37°C.

Microorganism	CFU	Growth	Growth with Brilliant Green
<i>B. subtilis</i> ATCC™ 6633	10-300	+	-
<i>C. sporogenes</i> ATCC™ 19404	10-300	+	-
<i>E. coli</i> ATCC™ 25922	10-300	+	+
<i>S. enterica</i> ser. Typhimurium ATCC™ 14028	10-300	+	+
<i>S. enterica</i> ser. Enteritidis ATCC™ 13076	10-300	+	+

STORAGE: Store the product at 2-30°C protected from moisture and light for up to the expiration date.

LIMITATIONS: For laboratory use only. The dehydrated medium should be discarded if there are any changes in the color or if it is no longer free flowing.

SIZES AVAILABLE: 20kg, other sizes available upon request.

PACKAGING: Additional configurations are available upon request.

REFERENCES:

1. FDA BAM, 8th ed., Revision A, 1998. Updated and revised: 29-DEC-2000.
2. Bull. WHO, 48:167-174, 1973.
3. J. Food Technol., 12:85-91, 1977.

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