

Certificate of Analysis



Certificate of Analysis ID: 1004270500_VM1035827_EN

Producer and client: Merck KGaA, Frankfurter Str. 250, 64293 Darmstadt, Germany

Test laboratory: Merck KGaA Qualitätskontrolle für mikrobiologische Produkte
Frankfurter Str. 250, 64293 Darmstadt, Germany

Sample identification: Chromocult®
Listeria agar (base) acc. OTTAVIANI and AGOSTI acc. ISO 11290

Ordering number: 1.00427.0500

Lot number: VM1035827

Sample ID: 201342635

Accreditation:



Test method: DIN EN ISO 11133:2020
Performance testing of solid culture media:
Quantitative method (spiralplater)
Qualitative method (streaking method)

Date of analysis: 2023/01/09

Date of release: 2023/02/03

Minimum shelf life: 2026/01/31

Composition (g/l): Enzymatic digest of animal tissues 18.0; Enzymatic digest of casein 6.0; Yeast extract 10.0; Sodium pyruvate 2.0; Glucose 2.0; Magnesium glycerophosphate 1.0; Magnesium sulphate anhydrous 0.5; Sodium chloride 5.0; Lithium chloride 10.0; di-Sodium hydrogen phosphate anhydrous 2.5; 5-Bromo-4-chloro-3-indolyl- β -D-gluco-pyranoside 0.05; Agar agar 13.0.

Preparation & sterilization: Dissolve 35.0 g of base medium in a total of 476 ml of purified water. For this, partially dissolve the medium with 300 ml of water while swirling. Subsequently add the remaining 176 ml, mix thoroughly, dissolve in boiling water, and agitate frequently until completely dissolved. Then cool the medium in a water bath to 47-50 °C. Add the contents of one vial of Selective Supplement, cat. no. 100432, and distribute homogeneously. Subsequently mix in the contents of one vial of Enrichment Supplement, cat. no. 100439, that has been pre-heated to 47-50 °C.

Application: For the isolation and differentiation of *Listeria monocytogenes* and other *Listeria* spp. from food and animal feed, environmental samples in the area of food production and food handling and other materials.

Storage: Store at +15 °C to +25 °C, dry and tightly closed. Do not use clumped or discolored medium. Protect from UV light (including sun light).

The reported results refer exclusively to the specified medium, see Certificate of Analysis ID.

Certificate of Analysis



Physical parameters	Specification	Lot value
Appearance (clarity):	slightly opalescent to opalescent	opalescent
Appearance (color):	yellowish	yellowish
pH-value (25 °C):	7.0 – 7.4	7.2

Microbiological Performance

Quantitative method for solid media (spiral plater)

Test strain	Specification	Reference CFU	Test CFU	Recovery rate	Typical reaction
Listeria monocytogenes ATCC® 13932 [WDCM 00021]	≥ 50 %	111	110	99 %	passes test blue green colonies with opaque halo
Listeria monocytogenes ATCC® 35152 [WDCM 00109]	≥ 50 %	307	201	65 %	passes test blue green colonies with opaque halo

Qualitative streaking method

Test strain	Specification	Growth	Typical reaction
Listeria innocua ATCC® 33090 [WDCM 00017]	no limit	good	passes test blue green colonies without opaque halo
Escherichia coli ATCC® 8739 [WDCM 00012]	total inhibition	total inhibition	-
Escherichia coli ATCC® 25922 [WDCM 00013]	total inhibition	total inhibition	-
Enterococcus faecalis ATCC® 19433 [WDCM 00009]	total inhibition	total inhibition	-
Enterococcus faecalis ATCC® 29212 [WDCM 00087]	total inhibition	total inhibition	-

Incubation: 44 ± 4 hours at 37 ± 1 °C, aerobic

Reference medium: Tryptic Soy Agar

A recovery rate of 50 % is equivalent to a productivity rate of 0.5.

The indicated colony counts result from the sum of a triple determination.

Certificate of Analysis



Release: Culture medium released by Approving Officer or delegate LS-OII-QS6

A handwritten signature in blue ink, appearing to read 'S. Fischer'.

Dr. Stefanie Fischer

Responsible Manager of LS-OII-QS6 (Test Laboratory D-PL-15185-01-00)

Certificate of analysis revision history:

Certificate version	Date	Status	Reason for version
01	2023/02/03	effective	Initial version
