

CULTURE MEDIA ACCORDING TO



International
Organization for
Standardization

Culture media to detection microorganisms in food according to ISO

| Ref.No. | Culture media | packaging | volume |
|---|--|----------------------------|-----------------|
| FOOD | | | |
| ISO 4831:2007 Microbiology of food and animal feeding stuffs. Horizontal method for the detection and enumeration of coliforms. Most probable number technique | | | |
| 175 | Maximum Recovery Dilluent | powder | 500 g |
| 3531 | Maximum Recovery Dilluent | bottle | 500, 200, 100ml |
| 6315 | Maximum Recovery Dilluent | tube | |
| 8035 | Lauryl Tryptose Mannitol Broth (without Durham's tube) | bottle | 500,200,100ml |
| 6002 | Lauryl Tryptose Mannitol Broth (with Durham's tube) For the biochemical differentiation of <i>Escherichia coli</i> in water samples on the basis of gas and indole production. | tube | 5ml |
| 133 | Brilliant Green Bile Broth (2 %) (with Durham's tube) | powder | 500 g |
| 6314 | Brilliant Green Bile Broth (2 %) (with Durham's tube) For the selective enrichment of coliform bacteria in , food and dairy products. | tube | 5 ml |
| ISO 4832 :2006 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of coliforms. Colony count technique | | | |
| 245 | Violet Red Bile Lactose Agar (VRBL) | powder | 500 g |
| 3046 | Violet Red Bile Lactose Agar (VRBL) | bottle | 500,200,100ml |
| 1340 | Violet Red Bile Lactose Agar (VRBL) For the enumeration of coliforms from food and dairy products. | plate | 90mm |
| 133 | Brilliant Green Bile Broth (2 %) (with Durham's tube) | powder | 500 g |
| 6314 | Brilliant Green Bile Bulion (2 %) (with Durham's tube) For the selective enrichment of coliform bacteria in, food and dairy products. | tube | 5 ml |
| ISO 4833:2004 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of microorganisms. Colony count technique at 30°C | | | |
| 252 | Standard Methods Agar (PCA) | powder | 500 g |
| 3533 | Standard Methods Agar (PCA) | bottle | 500.200,100ml |
| 1342 | Standard Methods Agar (PCA) For the cultivation of a wide variety of microorganisms. | plate | 90mm |
| ISO 6579 :2002 Microbiology of food and animal feeding stuffs. Horizontal method for the detection of <i>Salmonella</i> spp. | | | |
| 162 | Buffered Peptone Water | powder | 500g |
| 3043 | Buffered Peptone Water For the enrichment of <i>Salmonella</i> spp. from food. | bottle | 500,225,200 ml |
| 6011 | Rappaport - Vassiliadis Broth For the selective isolation of <i>Salmonella</i> spp. | glass tube | 10 ml |
| 6092 | MKTTn (Mueller Kauffman Tertathionate – Novobiocin broth) For the selective isolation of <i>Salmonella</i> spp. | plastic tube glass tube | 10 ml 10 ml |
| 303 | XLD Agar (Xylose Lysine Desoxycholate Agar) | powder | 500 g |
| 3091 | XLD Agar (Xylose Lysine Desoxycholate Agar) | bottle | 500,200,100ml |
| 8013 | XLD Agar (Xylose Lysine Desoxycholate Agar) For the selective isolation of <i>Salmonella</i> spp. | plate | 90mm |
| 6205 | Urea Agar For the biochemical differentiation of microorganisms on the basis of urease production. | plastic tube | 7 ml |
| 8015 | TSI Agar (Triple Sugar Iron Agar) For the biochemical differentiation of microorganisms on the basis of glucose, lactose, sucrose fermentation and H ₂ S production. | plastic tube | 7 ml |
| 6144 | Indole Medium (tryptone–tryptophane) | plastic tube | 3 ml |

For the biochemical differentiation of *Enterobacteriaceae* on the basis of indole production.

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|------|---|--------|---------------|
| 267 | CHROMagar Salmonella Plus | powder | 5000,1000ml |
| 3556 | CHROMagar Salmonella Plus | bottle | 500,200,100ml |
| 1421 | CHROMagar Salmonella Plus | plate | 90mm |
| | For the selective isolation of <i>Salmonella</i> spp., including <i>Salmonella typhi</i> , <i>Salmonella paratyphi</i> and lactose positive <i>Salmonella</i> . | | |
| 203 | CHROMagar Salmonella | powder | 5000,1000ml |
| 3555 | CHROMagar Salmonella | bottle | 500,200,100ml |
| 1420 | CHROMagar Salmonella | plate | 90mm |
| | For the isolation and enumeration of <i>Salmonella</i> spp., including <i>Escherichia coli</i> and <i>Proteus</i> spp. from food, clinical and water samples. | | |

ISO 6888-1:2001 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of coagulase-positive staphylococci. Part.1 Technique using Baird Parker Medium

| | | | |
|------|--|--------------|---------------|
| 175 | Baird Parker Agar base | powder | 500 g |
| 3082 | Baird Parker Agar base | bottle | 500,200,100ml |
| | <i>Supplements: egg yolk tellurite (Ref.No. X085)(LABM)</i> | | |
| 1320 | Baird Parker Agar | plate | 90mm |
| | For the selective isolation and enumeration of <i>Staphylococcus aureus</i> from food. | | |
| 6012 | Giolitti Cantoni Broth | glass tube | 10ml |
| | | plastic tube | 10ml |
| | Selective enrichment of <i>Staphylococcus aureus</i> . | | |

ISO 6888-2:2001 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of coagulase-positive staphylococci. Part.1 Technique using rabbit plasma fibrinogen agar (Baird Parker RPF)

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|------|--|--------|------------|
| 3226 | Baird Parker Agar + RPF supplement (90 ml + 10 ml) according to ISO 6888-2 | bottle | 90 + 10 ml |
| 1321 | Baird Parker Agar + RPF supplement | plate | 90mm |
| | For the cultivation of a wide variety of microorganisms. | | |

ISO 7932:2004 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of presumptive *Bacillus cereus*. Colony- count technique at 30°C

| | | | |
|------|---|--------|---------------|
| 265 | Bacillus cereus Agar base | powder | 500 g |
| 3065 | Bacillus cereus Agar base | bottle | 500,200,100ml |
| | <i>Supplements: polymyxin B (Ref.No. X193), egg yolk (Ref.No. X073)(LABM)</i> | | |
| 8041 | Bacillus cereus Agar M.Y.P | | |
| | For the selective isolation of <i>Bacillus cereus</i> from foods. | | |

ISO 7937:2004 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of *Clostridium perfringens*. Colony-count technique

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|------|--|--------|---------------|
| 283 | TSC Agar (Tryptose Sulphite Cycloserine Agar) | powder | 500 g |
| | <i>Supplements: Cycloserine(Ref.No. X194)</i> | | |
| 3081 | TSC Agar (Tryptose Sulphite Cycloserine Agar) | bottle | 500,200,100ml |
| 8022 | TSC Agar (Tryptose Sulphite Cycloserine Agar) | plate | 90mm |
| | For the isolation and enumeration of <i>Clostridium perfringens</i> from food. | | |

ISO 7954:1999 Microbiology.General Guidance For Enumeration Of Yeasts And Moulds - Colony Count Technique at 25 Degrees C. This document is replaced by ISO 21527-1

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|------|--|------------|----------------|
| 291 | YGC Chloramfenicol Yeast Extract Agar | powder | 500 g |
| 3088 | YGC Chloramfenicol Yeast Extract Agar | bottle | 500,200,100 ml |
| 8036 | YGC Chloramfenicol Yeast Extract Agar | plate | 90 mm |
| 6036 | YGC Chloramfenicol Yeast Extract Agar | glass tube | 15 ml |

For selective isolation and enumeration of molds

ISO 11290 Microbiology of food and animal feeding stuffs. Horizontal method for the detection and enumeration of *Listeria monocytogenes*.

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|-----------------|---|----------------------------|---------------|
| 223/7626 | Fraser Broth Base <i>Supplements: Semi Fraser Selective Supplement (Ref.No. G003 (1x225ml)), Fraser Selective Supplement(Ref.No. G002(1x500ml))</i> | powder | 500 g |
| 3005 | Semi (Half) Fraser Broth | bottle | 225ml |
| 6007 | Semi (Half) Fraser Broth For the selective enrichment of <i>Listeria spp.</i> | plastic tube glass tube | 10ml 10ml |
| 3001 | Fraser Broth | bottle | 500,200,100ml |
| 6006 | Fraser Broth For the selective enrichment of <i>Listeria spp.</i> | plastic tube | 10ml |
| 1343 | ALOA according to Ottaviani and Agosti Selective isolation of <i>Listeria monocytogenes</i> | plate | 90mm |
| 6309 | Fermentation Medium, rhamnose For the biochemical differentiation of <i>Listeria spp.</i> on the basis of rhamnose fermentation. | plastic tube | 5ml |
| 6307 | Fermentation Medium, xylose For the biochemical differentiation of <i>Listeria spp.</i> on the basis of xylose fermentation. | plastic tube | 5ml |

ISO 16649-2 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of beta-glucuronidase-positive *Escherichia coli*

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|-------------|--|--------|---------------|
| 251 | TBX Agar (Tryptone Bile X-glucuronide Agar) | powder | 500 g |
| 3522 | TBX Agar (Tryptone Bile X-glucuronide Agar) | bottle | 500,200,100ml |
| 1405 | TBX Agar (Tryptone Bile X-glucuronide Agar) For the isolation and enumeration of <i>Escherichia coli</i> from food . | plate | 90mm |

ISO 21527-1 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of yeasts and moulds. Part.1 Colony count technique in products from water activity greater than 0.95

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|-------------|---|--------|---------------|
| 273 | DRBC Agar (Dichloran Rose Bengal Chloramphenicol Agar) | powder | 500 g |
| 3230 | DRBC Agar (Dichloran Rose Bengal Chloramphenicol Agar) | bottle | 500,200,100ml |
| 1508 | DRBC Agar (Dichloran Rose Bengal Chloramphenicol Agar) For the selective isolation of yeasts and molds from foods. | plate | 90 mm |

ISO 21527-2 Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of yeasts and moulds. Part.1 Colony count technique in products from water activity less than 0.95

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|-------------|---|--------|---------------|
| 3087 | DG-18 (Dichloran Glicerol Agar) | bottle | 500,200,100ml |
| 1115 | DG-18 (Dichloran Glicerol Agar) For the selective isolation of yeasts and molds from foods. | plate | 90 mm |

ISO 21528-1 Microbiology of food and animal feeding stuffs. Horizontal method for the detection and enumeration of *Enterobacteriaceae*

| | | | |
|-------------|---|--------|---------------|
| 245 | VRBG Agar (Violet Red Bile Glucose Agar) | powder | 500 g |
| 3006 | VRBG Agar (Violet Red Bile Glucose Agar) | bottle | 500,200,100ml |
| 1341 | VRBG Agar (Violet Red Bile Glucose Agar) For the isolation and enumeration of <i>Enterobacteriaceae</i> from foods. | plate | 90 mm |

WATER

PN-EN ISO 6222 Water quality -- Enumeration of culturable micro-organisms -- Colony count by inoculation in a nutrient agar culture medium

| | | | |
|-------------|---|--------|----------------|
| 284 | Yeast Extract Agar | powder | 500 g |
| 8026 | Yeast Extract Agar | bottle | 500,200,100 ml |
| 6048 | Yeast Extract Agar For the cultivation of total count of microorganisms in water. | tube | 15 ml |

PN ISO 9308-1 Detection and enumeration of Escherichia coli and coliform bacteria

| | | | |
|-----------------|--|----------|----------------|
| 3089 | TTC Agar (Triphenyl Tetrazolium Chloride) | bottle | 500,200,100 ml |
| 8029 | TTC Agar (Triphenyl Tetrazolium Chloride) For the selective isolation of coliform bacteria, early detection of <i>Escherichia coli</i> . | tube | 15 ml |
| 8018 | Endo les Agar For the selective isolation and differentiation of <i>Escherichia coli</i> . | plate | 60 mm |
| 3092 | Nutrient Agar | bottle | 500,200,100 ml |
| 8027 | Nutrient Agar For the cultivation of a wide variety of microorganisms, including <i>Escherichia coli</i> . | tube | 7 ml |
| 8024 | Lactose Broth | bottle | 500,200,100 ml |
| 6034 | Lactose Broth For the biochemical differentiation of microorganisms on the basis of lactose fermentation. | tube | 5 ml |
| 8039 | Tryptone Broth For the biochemical differentiation of <i>Escherichia coli</i> in water samples on the basis of indole production. | próbówka | 5 ml |
| MID 61 g | Oxidase strips | strips | 50pcs |
| 181807 | Oxidase strips Confirmation oxidase positive microorganisms | strips | 25pcs |
| 3130 | Ehrlich's reagent For the biochemical differentiation of <i>Enterobacteriaceae</i> on the basis of indole production. | bottle | 500,200,100 ml |

PN ISO 7899-2 Water quality -- Detection and enumeration of intestinal enterococci -- Part 2: Membrane filtration method

| | | | |
|-------------|--|--------|--------|
| 234 | Slanetz - Bartley Agar | powder | 500 g |
| 3401 | Slanetz - Bartley Agar | bottle | 100 ml |
| 8019 | Slanetz - Bartley Agar For the isolation and enumeration of <i>Enterococcus spp.</i> in water by the membrane filtration technique. | plate | 90 mm |
| 8028 | Bile Esculin Agar | bottle | 500 ml |
| 8028 | Bile Esculin Agar | bottle | 200 ml |
| 1528 | Bile Esculin Agar For the selective isolation and enumeration of <i>Enterococcus spp.</i> in water by the membrane filtration technique. | plate | 90 mm |

PN-EN ISO 16266:2009 Water quality -- Detection and enumeration of Pseudomonas aeruginosa -- Method by membrane filtration

| | | | |
|-------------|--|--------|----------------|
| 3534 | King B Agar (Pseudomonas F) | bottle | 500,200,100 ml |
| 1015 | King B Agar (Pseudomonas F) For the selective isolation of <i>Pseudomonas aeruginosa</i> on the basis of fluorescein production. | plate | 90 mm |
| 231 | Pseudomonas CN Agar | | |
| 8046 | Pseudomonas CN Agar | bottle | 500,200,100 ml |
| 1022 | Pseudomonas CN Agar For the selective isolation of <i>Pseudomonas aeruginosa</i> . | plate | 90 mm |
| 8045 | Acetamide Broth | bottle | 500,200,100 ml |
| 6045 | Acetamide Broth | tube | 5 ml |