



**CLINICAL
MICROBIOLOGY**

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Clinical microbiology and public health

Clinical microbiology is a tool used to isolate and identify microorganisms, generally of the pathogenic kind, with the aim of providing a diagnosis and suggesting a treatment to patients.

The close contact between clinical microbiology and public health is fundamental to:

- The **prevention and management** of infectious diseases
- The **monitoring** of local and global epidemics
- The development and adoption of **new technologies and therapeutic methods**

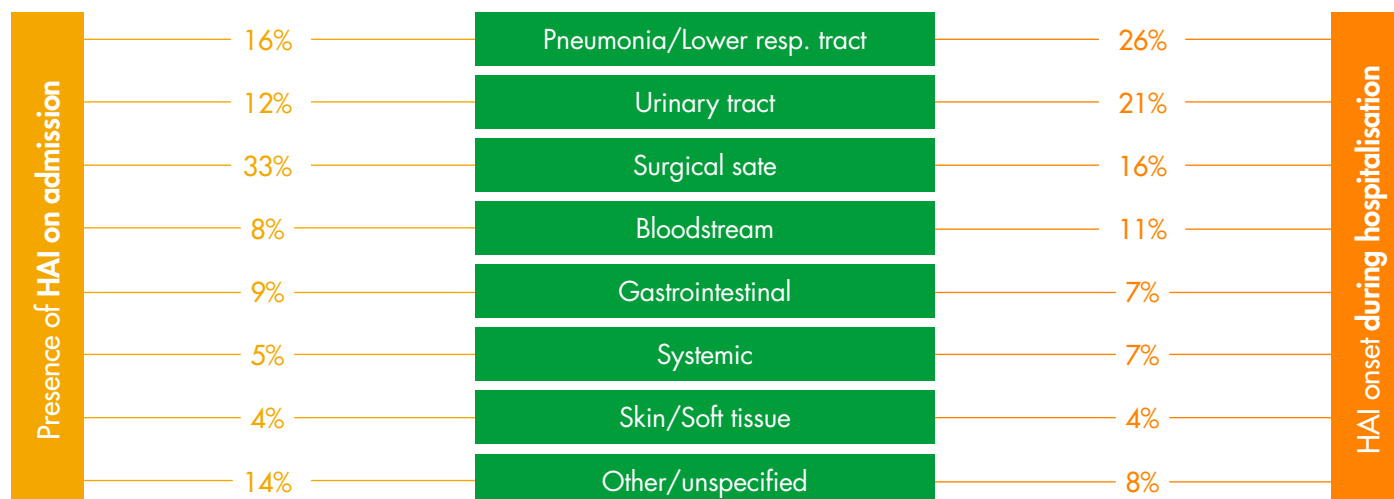
Globally, out of a 100 hospitalized patients, between 7 and 10 will suffer at least one nosocomial infection. These infections are associated with high morbidity and mortality, and in the U.S. alone are responsible for more than 90,000 deaths per year, according to the Center for Disease Control (CDC). This is very similar in Europe, where 6 nosocomial infections are the main cause of death, according to the ECDC.

What are the main culprits of nosocomial infections?



When are nosocomial infections acquired?

23% of Healthcare-associated infections (HAIs) are detected on **admission**, of which 54% are associated with a previous stay in the **same hospital**.



Source: European Centre for Disease Prevention and Control



Sample Processing.

The work of the clinical microbiology laboratory involves paying special attention even prior to the sample analysis, which begins by ensuring an adequate sample collection using appropriate containers and culture media for collection.

Likewise, in order to guarantee the preservation and integrity of the samples during the transportation, it is necessary to use media specifically developed for this purpose. And due to the nature of some clinical samples, even a pre-treatment is necessary, consisting on the use of certain culture media and different separation or homogenization techniques.

CATEGORY	CAT.	PRODUCT	PACK SIZE
Pretreatment	1000	Anaerobic Agar	500 g
Pretreatment	1052	Macconkey Agar	500 g
Pretreatment	1090	Sabouraud Dextrose Agar + Chloramphenicol	500 g
Pretreatment	1106	GC Agar Base	500 g
Pretreatment	1107	Bordet-Gengou Agar Base	500 g
Pretreatment	1108	Blood Agar Base	500 g
Pretreatment	1117	Campylobacter Medium Base	500 g
Pretreatment	1152	Columbia CNA Agar Base	500 g
Pretreatment	1400	Brain Heart Infusion Broth (BHI Broth)	500 g
Pretreatment	1508	Thioglycollate Fluid Medium	500 g
Pretreatment	4220	Roiron Medium	20 Tubes
Pretreatment	5015	Reagent N° 2	10 x 100 ml
Pretreatment	5017	B Reagent	10 x 100 ml
Pretreatment	6006	Reagent N°1	10 capsules
Transportation	1236	Todd Hewitt Broth	500 g
Transportation	1518	Stuart Transport Medium	500 g
Transportation	1529	Cary-Blair Medium	500 g
Transportation	1530	Amies Transport Medium without Charcoal	500 g
Transportation	1535	Amies Transport with Charcoal	500 g



Clinical Diagnostic.

Condalab offers a wide range of culture media for routine clinical diagnosis, CE/IVD Marking, as well as specific products for certain nosocomial pathogens, and a wide range of CondaChrome® media for rapid microbial identification.

Our products meet the sterility conditions that are so important in the diagnosis of infectious diseases. Their easy use, combined with an optimal recovery and differentiation of pathogens make our culture media and reagents the best ally for daily clinical practice.

General Analysis

CAT.	PRODUCT	PACK SIZE
1024	Sabouraud Dextrose Agar	500 g
1028	DNAse Test Agar (Deoxyribonuclease Activity)	500 g
1031	Bile Esculin Agar	500 g
1039	Eosin Methylene Blue Agar (EMB)	500 g
1048	Brain Heart Infusion Agar (BHI Agar)	500 g
1050	Levine Agar (EMB)	500 g
1052	Macconkey Agar	500 g
1058	Mueller Hinton Agar	500 g
1090	Sabouraud Dextrose Agar + Chloramphenicol	500 g
1104	Columbia Agar Base	500 g
1106	GC Agar Base	500 g
1108	Blood Agar Base	500 g
1152	Columbia CNA Agar Base	500 g
1224	Trypticasein Soy Broth (TSB)	500 g
1400	Brain Heart Infusion Broth (BHI Broth)	500 g
1500	OF Basal Medium (Hugh And Leifson)	500 g
1508	Thioglycollate Fluid Medium	500 g
1551	Luria Broth (Miller's LB Broth)	500 g
2059	Sabouraud Dextrose Agar + Chloramphenicol + Gentamicin	500 g
2180	Urea Agar Base (Christensen)	500 g

Anaerobic Analysis

CAT.	PRODUCT	PACK SIZE
1000	Anaerobic Agar	500 g
1012	Brucella Agar	500 g
1046	Triple Sugar Iron Agar (TSI)	500 g
1066	Schaedler Agar	500 g
1447	Clostridium Difficile Agar Base	500 g

Mycobacteria Analysis

CAT.	PRODUCT	PACK SIZE
1037	Macconkey Agar w/o Crystal Violet	500 g
1226	Urea Broth	500 g
1439	Lowenstein Jensen Medium Base w/o M.Green	500 g
2042	Middlebrook Broth	500 g
2043	Middlebrook Agar	500 g
4100	Lowenstein Jensen Medium	20 Tubes
4120	Lowenstein Jensen Medium with Pyruvate	20 Tubes
4125	Lowenstein Jensen Medium (Long Tube)	20 Tubes
4126	Lowenstein Jensen Medium with Pyruvate (Long Tube)	20 Tubes
4127	Coletsos Medium	20 Tubes

Specific Analysis

CATEGORY	CAT.	PRODUCT	PACK SIZE
Conda Chrome ®	1122	Salmonella Chromogenic Agar	500 g
Conda Chrome ®	1382	Candida Chromogenic Agar	500 g
Conda Chrome ®	1493	Pseudomonas Chromogenic Agar	500 g
Conda Chrome ®	1588	E. coli O157:H7 Chromogenic Agar Base	500 g
Conda Chrome ®	2054	Vibrio Chromogenic Agar	500 g
Conda Chrome ®	2076	Staphylococcus Chromogenic Agar	500 g
Conda Chrome ®	2119	Klebsiella Chromogenic Agar Base	500 g
Blood Cultures	3001	Trypticasein Soy Broth with SPS, CO2 & Vacuum	10 x 50 ml
Blood Cultures	3004	Brain Heart Infusion Broth with SPS, CO2 & Vacuum	10 x 50 ml
Blood Cultures	3005	Brain Heart Infusion Broth with SPS, CO2 & Vacuum	8 x 20 ml
Blood Cultures	3008	Trypticasein Soy Broth with SPS, CO2 & Vacuum	8 x 20 ml
Blood Cultures	3105	Thioglycollate Broth with SPS, CO2 & Vacuum	10 x 50 ml
Blood Cultures	3107	Schaedler Broth with SPS, Vacuum and CO2	10 x 50 ml
Mycoplasmas	1140	PPLO Agar Base w/o Crystal Violet	500 g
Mycoplasmas	1262	PPLO Broth Base w/o Crystal Violet	500 g
Digestive tract	1011	Bismuth Sulfite Agar (Wilson Blair)	500 g
Digestive tract	1030	Hektoen Enteric Agar	500 g
Digestive tract	1044	Lysine Iron Agar	500 g
Digestive tract	1064	Salmonella Shigella Agar (SS Agar)	500 g
Digestive tract	1074	TCBS Agar	500 g

CATEGORY	CAT.	PRODUCT	PACK SIZE
Digestive tract	1078	Brilliant Green Agar	500 g
Digestive tract	1080	XLD Agar (Xylose Lysine Desoxycholate Agar)	500 g
Digestive tract	1099	Macconkey Agar with Sorbitol (CT-SMAC)	500 g
Digestive tract	1110	Urea Agar Base (Christensen)	500 g
Digestive tract	1114	Tetrathionate Broth Base	500 g
Digestive tract	1126	Yersinia Selective Agar Base (CIN)	500 g
Digestive tract	1129	Campylobacter Agar Base Blood Free (CCDA)	500 g
Digestive tract	1130	Muller Kauffmann Tetrathionate Broth Base	500 g
Digestive tract	1131	Campylobacter Agar Base (Preston)	500 g
Digestive tract	1186	Modified Salmonella Shigella Agar	500 g
Digestive tract	1222	Sodium Selenite Broth	500 g
Digestive tract	1248	GN Enrichment Broth (Hajna)	500 g
Digestive tract	1298	Sorbitol Peptone Broth And Bile Salts (PSB)	500 g
Digestive tract	1314	Nutrient Agar Dev Regulations	500 g
Digestive tract	1360	Salmonella Shigella Agar with Sodium Deoxycholate and Calcium Chloride (SSDC)	500 g
Digestive tract	1364	Kligler Iron Agar	500 g
Digestive tract	1370	Agar Base Aeromonas (RYAN)	500 g
Digestive tract	1401	Buffered Peptone Water	500 g
Digestive tract	1407	Alkaline Peptone Water	500 g
Digestive tract	1414	Rappaport Vassiliadis Broth	500 g
Digestive tract	1503	Wilkins Chalgren Medium	500 g
Digestive tract	1568	Wilkins Chalgren Medium II	500 g
Digestive tract	2024	Agar Test pH 8,0 for Inhibition Test	500 g
Digestive tract	2066	Helicobacter Agar Modified	500 g
Digestive tract	2097	Inositol Brilliant Green Bile Agar (Plesiomonas Differential Agar)	500 g
Genital tract	1060	Nutrient Agar	500 g
Genital tract	2036	Granada Agar Base	500 g
Genital tract	2099	Streptococcus Selective Agar	500 g
Respiratory tract	1022	Potato Dextrose Agar	500 g
Respiratory tract	1062	Mannitol Salt Agar (MSA) (Chapman Medium)	500 g
Respiratory tract	1072	Mycobiotic Agar (Fungal Selective Agar)	500 g
Respiratory tract	1088	Sabouraud Dextrose Agar + Cycloheximide	500 g
Respiratory tract	1089	Sabouraud Dextrose Agar + Chloramphenicol + Cycloheximide	500 g
Respiratory tract	1102	Cetrimide Agar Base	500 g
Respiratory tract	1134	Sabouraud Dextrose Agar + Chloramphenicol	500 g
Respiratory tract	1311	Legionella BCYE Agar Base	500 g
Respiratory tract	1317	Tinsdale Agar Base	500 g
Respiratory tract	1347	Burkholderia Cepacia Agar Base	500 g
Respiratory tract	1546	YPD Agar	500 g
Respiratory tract	1557	Legionella Agar Base + ACES + Alpha Ketoglutaric + Ferric pyrophosphate	500 g
Respiratory tract	2087	Loeffler Serum Medium Base	500 g
Urinary tract	1016	CLED Agar (Cystine Lactose Electrolyte Deficient)	500 g
Urinary tract	1068	Trypticasein Soy Agar (TSA)	500 g
Urinary tract	1424	Urinary Tract Infections Chromogenic Agar (UTIC)	500 g

Supplements

CAT.	PRODUCT	PACK SIZE
5100	Urea 40% Solution	100 ml
5152	Egg Yolk Emulsion	100 ml
6011	Polyenrichment Supplement	2x5 vials
6012	LCAT Supplement	10 vials
6013	VCN Supplement	10 vials
6014	VCAT Supplement	10 vials
6019	Preston Campylobacter Supplement	10 vials
6022	Legionella BCYE Supplement	10 vials
6025	Legionella GVPC Supplement	10 vials
6026	VCNT Supplement	10 vials
6032	Burkholderia cepacia Supplement	10 vials
6033	Yersinia Selective Supplement (CIN)	10 vials
6037	OADC Enrichment Supplement	10 vials
6038	ADC Enrichment Supplement	10 vials
6052	Ampicillin Supplement (Aeromonas)	10 vials
6053	CCDA Supplement (Campylobacter Blood free)	10 vials
6061	Clostridium Difficile Supplement	10 vials



Antimicrobial Sensitivity.

The analysis of microorganism sensitivity to different antimicrobial agents is a key point in any clinical microbiology laboratory. This analysis is carried out by the use of an antibiogram, the objective of which is to evaluate in a laboratory the response of a microorganism to a battery of antibiotics or antifungals.

Condalab offers classic antibiotic discs and strips with concentration gradients under EUCAST and CLSI control, as well as a specific line of CondaChrome® media for the detection of resistant strains. The monitoring of antimicrobial sensitivity and resistance is extremely importance in the clinical field to provide the most effective treatment.

CATEGORY	CAT.	PRODUCT	PACK SIZE
Culture media	1015	Czapek-Dox Modified Agar	500 g
Culture media	1022	Potato Dextrose Agar	500 g
Culture media	1024	Sabouraud Dextrose Agar	500 g
Culture media	1046	Triple Sugar Iron Agar (TSI)	500 g
Culture media	1048	Brain Heart Infusion Agar (BHI Agar)	500 g
Culture media	1052	Macconkey Agar	500 g
Culture media	1058	Mueller Hinton Agar	500 g
Culture media	1062	Mannitol Salt Agar (MSA) (Chapman Medium)	500 g
Culture media	1088	Sabouraud Dextrose Agar + Cycloheximide	500 g
Culture media	1089	Sabouraud Dextrose Agar + Chloramphenicol + Cycloheximide	500 g
Culture media	1090	Sabouraud Dextrose Agar + Chloramphenicol	500 g
Culture media	1108	Blood Agar Base	500 g
Culture media	1134	Sabouraud Dextrose Agar + Chloramphenicol	500 g
Culture media	1152	Columbia CNA Agar Base	500 g
Culture media	1157	Dermatophytes Agar Base	500 g
Culture media	1160	Rose Bengal Agar + Cholanphenicol + Dichloran (DRBC Agar)	500 g
Culture media	1161	Dichloran Glycerol Agar (DG 18)	500 g
Culture media	1164	Corn Meal Agar	500 g
Culture media	1214	Mueller Hinton Broth	500 g
Culture media	1224	Trypticasein Soy Broth (TSB)	500 g
Culture media	1301	Chloramphenicol Agar (YGC Agar)	500 g
Culture media	1372	Bile Esculin Azide Agar	500 g
Culture media	1400	Brain Heart Infusion Broth (BHI Broth)	500 g
Culture media	1500	OF Basal Medium (Hugh And Leifson)	500 g
Culture media	1527	OGA Medium (Oxytetracycline Glucose Agar Base) (OGYE)	500 g

CATEGORY	CAT.	PRODUCT	PACK SIZE
Culture media	1545	Yeast Nitrogen Base w/o Amino Acids	500 g
Culture media	1546	YPD Agar	500 g
Culture media	1547	YPD Broth	500 g
Culture media	2042	Middlebrook Broth	500 g
Culture media	2116	Motility Test Medium	500 g
Culture media	2180	Urea Agar Base (Christensen)	500 g
CondaChrome.®	1382	Candida Chromogenic Agar	500 g
CondaChrome.®	1423	MRSA Chromogenic Agar Base	500 g
CondaChrome.®	1498	MRSA Chromogenic Modified Agar Base	500 g
CondaChrome.®	2062	ESBL Chromogenic Agar	500 g
CondaChrome.®	2063	KPC Chromogenic Medium	500 g
CondaChrome.®	2076	Staphylococcus Chromogenic Agar	500 g
CondaChrome.®	2077	Vancomycin-Resistant Enterococcus (VRE) Chromogenic Agar	500 g



Monitoring.

The control of environmental microbiological quality is essential in patient care spaces. Condalab offers the full product range required for air and surface control, as well as medical devices, so that the safety of the health personnel and patients is not compromised during their stay.

CATEGORY	CAT.	PRODUCT	PACK SIZE
Environmental	1024	Sabouraud Dextrose Agar	500 g
Environmental	1052	Macconkey Agar	500 g
Environmental	1058	Mueller Hinton Agar	500 g
Environmental	1102	Cetrimide Agar Base	500 g
Environmental	1400	Brain Heart Infusion Broth (BHI Broth)	500 g
Environmental	1423	MRSA Chromogenic Agar Base	500 g
Environmental	2059	Sabouraud Dextrose Agar + Chloramphenicol + Gentamicin	500 g
Environmental	2062	ESBL Chromogenic Agar	500 g
Environmental	2077	Vancomycin-Resistant Enterococcus (VRE) Chromogenic Agar	500 g
Medical devices	1068	Trypticasein Soy Agar (TSA)	500 g
Medical devices	1071	R2A Agar	500 g
Medical devices	1108	Blood Agar Base	500 g
Medical devices	1224	Trypticasein Soy Broth (TSB)	500 g
Medical devices	2043	Middlebrook Agar	500 g



Stains and Dyes.

Dyes and stains are mainly used in qualitative procedures for microorganism differentiation and identification based on their specific characteristics. This use is of vital importance, and it is usually the first step, when identifying a microorganism to establish a reliable clinical diagnosis in microbiology and pathological anatomy.

Find among our products the one that meets your needs, from classic stains in bacterial identification, to those used in specialized techniques for mycobacterial analysis, such as the Ziehl-Nielsen stain.

CAT.	PRODUCT	PACK SIZE
4600	Gram Stain KIT	4 x 250 ml
4603	Methilene Blue	1 x 1L
4610	Oxalate Crystal Violet	1 x 1L
4611	Chlorhidric Alcohol	1 x 1L
4612	Lugol	1 x 1L
4614	Acetone Ethanol Decolorant	1 x 1L
4616	Safranin	1 x 1L
4618	Fenicade Fuchsine	1 x 1L
4632	Thiazine Red	1 x 250 ml
4647	Auramide	1 x 1L
4651	Thiazine Red	1 x 1L
4655	Permanganate	1 x 1L
4687	CondaSafe Stain	1 ml
5005	Auramide	1 x 250 ml
5014	Permanganate	1 x 250 ml
5024	Chlorhidric Alcohol	1 x 250 ml
5058	Methilene Blue	1 x 250 ml
5059	Acetone Ethanol Decolorant	1 x 250 ml
5060	Fenicade Fuchsine	1 x 250 ml
5061	Lugol	1 x 250 ml
5062	Oxalate Crystal Violet	1 x 250 ml
5063	Safranin	1 x 250 ml



Other Reagents.

Since our founding in 1960, Condalab has become a specialist in the field of microbiology, which has positioned us today as a leading international privately held company.

However, Condalab is also recognized for supplying key ingredients such as agars, peptones and agaroses, among other products, to provide a complete and global solution according to our clients' needs.

CATEGORY	CAT.	PRODUCT	PACK SIZE
Agaroses	8001	Agarose MS - 6 Metagel	50, 100, 250 and 500 g
Agaroses	8010	Agarose D1 Low EEO	50, 100, 250 and 500 g
Agaroses	8017	Agarose D1 Low EEO GQT	50, 100, 250 and 500 g
Agaroses	8019	Agarose D1 Medium EEO	50, 100, 250 and 500 g
Agaroses	8024	Agarose D1 High EEO	50, 100, 250 and 500 g
Agaroses	8032	Agarose D2	50, 100, 250 and 500 g
Agaroses	8045	Agarose D5	50, 100, 250 and 500 g
Agaroses	8050	Agarose LM	50, 100, 250 and 500 g
Agaroses	8065	Agarose MS - 8	50, 100, 250 and 500 g
Agaroses	8067	Agarose MS - 12	50, 100, 250 and 500 g
Agaroses	8075	Agarose MS - 4	50, 100, 250 and 500 g
Agaroses	8090	Agarose FP DNA	50, 100, 250 and 500 g
Agaroses	8091	Agarose LM GQT	50, 100, 250 and 500 g
Agaroses	8092	Agarose LM Sieve	50, 100, 250 and 500 g
Agaroses	8093	Agarose NovaGel GQT	50, 100, 250 and 500 g
Agaroses	8100	Agarose E	50, 100, 250 and 500 g
Antibiotics	6805	Gentamicin	5 g
Antibiotics	6806	Kanamycin (Monosulphate)	5 g
Antibiotics	6807	Kanamycin (Monosulphate)	25 g
Strain Preservation	6082	Cryopreserve Beads Blue	50 cryotubes
Strain Preservation	6083	Cryopreserve Beads Green	50 cryotubes
Strain Preservation	6084	Cryopreserve Beads Yellow	50 cryotubes
Strain Preservation	6085	Cryopreserve Beads Natural	50 cryotubes
Strain Preservation	6086	Cryopreserve Beads Mixed	50 cryotubes
Strain Preservation	6087	Cryopreserve Beads Red	50 cryotubes
Ingredients	1612	Tryptone	500 g
Ingredients	1616	Bacteriological Peptone	500 g
Ingredients	1702	Yeast extract	500 g

CATEGORY	CAT.	PRODUCT	PACK SIZE
Ingredients	1800	European Bacteriological Agar	500 g
Ingredients	1802	American Bacteriological Agar	500 g
Ingredients	1806	Purified Agar	500 g
Ingredients	1900	Dextrose	500 g
Ingredients	1906	Sucrose	500 g
Ingredients	1935	Hemoglobin	500 g



Condalab

Inspired by knowledge

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**For more information about the products and techniques
for clinical microbiology, do not hesitate to contact us.**