

**INSTRUCTIONS**

Only report microbiological results that are available on the day of the survey. Do not report microbiological results that become available after the day of the survey. This ensures comparability of data collection between LTCFs and countries.

**STEP ONE**

Specify up to three isolated microorganisms, using the microorganism code list (in the next page).

If no microbiological result is available on the day of the PPS, one of the following options should be selected:

_NOEXA	EXAMINATION NOT DONE	No diagnostic sample taken, no microbiological examination done.
_NA	RESULTS NOT AVAILABLE	The results of the microbiological examination are not (yet) available or cannot be found.
_NONID	MICROORGANISM NOT IDENTIFIED	Evidence exists that a microbiological examination has been done, but the microorganism cannot be correctly classified.
_STERI	STERILE EXAMINATION	A microbiological examination has been done, but the result was negative (e.g. negative culture).

**STEP TWO**

For each reported microorganism **HIGHLIGHTED IN RED**, indicate the susceptibility using the table below.

Microorganism	Tested antibiotic <sup>2</sup>	Antimicrobial resistance			
		Susceptible (S)	–	Resistant (R)	Unknown (U)
<b>Staphylococcus aureus</b> (STAAUR)	Oxacillin (OXA)	Susceptible (S)	–	Resistant (R)	Unknown (U)
	Glycopeptides (GLY)	Susceptible (S)	Susceptible, increased exposure (I)	Resistant (R)	Unknown (U)
<b>Enterococcus species</b> (ENC***)	Glycopeptides (GLY)	Susceptible (S)	Susceptible, increased exposure (I)	Resistant (R)	Unknown (U)
<b>Enterobacteriales</b> <sup>1</sup> , including: <i>Escherichia coli</i> (ESCCOL) <i>Klebsiella</i> species (KLE***) <i>Enterobacter</i> species (ENB***) <i>Proteus</i> species (PRT***) <i>Citrobacter</i> species (CIT***) <i>Serratia</i> species (SER***) <i>Morganella</i> species (MOGSPP)	Third-generation cephalosporins (C3G)	Susceptible (S)	Susceptible, increased exposure (I)	Resistant (R)	Unknown (U)
	Carbapenems (CAR)	Susceptible (S)	Susceptible, increased exposure (I)	Resistant (R)	Unknown (U)
<b>Pseudomonas aeruginosa</b> (PSEAER)	Carbapenems (CAR)	Susceptible (S)	Susceptible, increased exposure (I)	Resistant (R)	Unknown (U)
<b>Acinetobacter baumannii</b> (ACIBAU)	Carbapenems (CAR)	Susceptible (S)	Susceptible, increased exposure (I)	Resistant (R)	Unknown (U)

<sup>1</sup> Antimicrobial resistance markers are not collected for other *Enterobacteriales* (e.g. *Hafnia* spp., *Salmonella* spp., *Shigella* spp., *Yersinia* spp.)

<sup>2</sup> OXA: susceptibility to oxacillin, or other marker of MRSA, such as ceftoxitin, cloxacillin, dicloxacillin, flucloxacillin, meticillin;

GLY: susceptibility to glycopeptides: vancomycin or teicoplanin;

C3G: susceptibility to third-generation cephalosporins: cefotaxime, ceftriaxone, ceftazidime;

CAR: susceptibility to carbapenems: imipenem, meropenem, doripenem.

**EXAMPLE:**

PART B: HEALTHCARE-ASSOCIATED INFECTIONS					
		INFECTION 1	INFECTION 2	INFECTION 3	INFECTION 4
INFECTION CODE		UTI-C	SKIN-C	COLD-C	_____
...		...	...	...	...
A. NAME OF ISOLATED MICROORGANISM (PLEASE USE CODE LIST)	1. A	ESCCOL	STAAUR	_NOEXA	_____
	B	C3G S CAR U	OXA S GLY S	_____	_____
B. TESTED ANTIBIOTIC(S) AND RESISTANCE	2. A	ENCFAE	STRHCG	_____	_____
	B	C3G S CAR U	_____	_____	_____
ONLY IN CASE OF STAAUR, ENC***, ACIBAU, PSEAER OR ENTEROBACTERIACEAE (CIT***, ENB***, ESCCOL, KLE***, MOGSPP, PRT***, SER***)	3. A	_____	PSEAER	_____	_____
	B	_____	CAR U	_____	_____

CODE LIST: MICROORGANISMS

CODE	NAME OF THE MICROORGANISM
- A -	
ACHSPP	ACHROMOBACTER SPECIES
<b>ACIBAU</b>	<b>ACINETOBACTER BAUMANNII</b>
ACICAL	ACINETOBACTER CALCOACETICUS
ACIHAE	ACINETOBACTER HAEMOLYTICUS
ACILWO	ACINETOBACTER LWOFFII
ACINSP	ACINETOBACTER SPECIES, <i>not specified</i>
ACIOTH	ACINETOBACTER SPECIES, <i>other</i>
ACTSPP	ACTINOMYCES SPECIES
AEMSPP	AEROMONAS SPECIES
AGRSPP	AGROBACTERIUM SPECIES
ALCSPP	ALCALIGENES SPECIES
ANANSP	ANAEROBES, <i>not specified</i>
ANAOTH	ANAEROBES, <i>other</i>
ASPFUM	ASPERGILLUS FUMIGATUS
ASPNIG	ASPERGILLUS NIGER
ASPNSP	ASPERGILLUS SPECIES, <i>not specified</i>
ASPOTH	ASPERGILLUS SPECIES, <i>other</i>
- B -	
GNBNSP	BACILLI, GRAM NEGATIVE, <i>not specified</i>
GNBOTH	BACILLI, GRAM NEGATIVE, NON ENTEROBACTERIACIEAE, <i>other</i>
GPBNSP	BACILLI, GRAM POSITIVE, <i>not specified</i>
GPBOTH	BACILLI, GRAM POSITIVE, <i>other</i>
BACSPP	BACILLUS SPECIES
BCTOTH	BACTERIA, <i>other</i>
BATFRA	BACTEROIDES FRAGILIS
BATOTH	BACTEROIDES, <i>other</i>
BURCEP	BURKHOLDERIA CEPACIA
- C -	
CAMSPP	CAMPYLOBACTER SPECIES
CANALB	CANDIDA ALBICANS
CANAUR	CANDIDA AURIS
CANGLA	CANDIDA GLABRATA
CANKRU	CANDIDA KRUSEI
CANPAR	CANDIDA PARAPSILOSIS
CANNSP	CANDIDA SPECIES, <i>not specified</i>
CANOTH	CANDIDA SPECIES, <i>other</i>
CANTRO	CANDIDA TROPICALIS
CHLSPP	CHLAMYDIA SPECIES
<b>CITFRE</b>	<b>CITROBACTER FREUNDII</b>
<b>CITDIV</b>	<b>CITROBACTER KOSERI (EX. DIVERSUS)</b>
<b>CITNSP</b>	<b>CITROBACTER SPECIES, <i>not specified</i></b>
<b>CITOTH</b>	<b>CITROBACTER SPECIES, <i>other</i></b>
CLODIF	CLOSTRIDIODES (CLOSTRIDIUM) DIFFICILE
CLOOTH	CLOSTRIDIUM, <i>other</i>
GNCNSP	COCCI, GRAM NEGATIVE, <i>not specified</i>
GNCOTH	COCCI, GRAM NEGATIVE, <i>other</i>
GPCNSP	COCCI, GRAM POSITIVE, <i>not specified</i>
GPCOTH	COCCI, GRAM POSITIVE, <i>other</i>
CORSPP	CORYNEBACTERIUM SPECIES
- E -	
<b>ENBAER</b>	<b>ENTEROBACTER AEROGENES – renamed to <i>Klebsiella aerogenes</i>*</b>
<b>ENBAGG</b>	<b>ENTEROBACTER AGGLOMERANS – renamed to <i>Pantoea agglomerans</i>**</b>

CODE LIST: MICROORGANISMS

ENBCLO	ENTEROBACTER CLOACAE
ENBGER	ENTEROBACTER GERGOVIAE – renamed to <i>Pluralibacter gergoviae</i> **
ENBSAK	ENTEROBACTER SAKAZAKII – renamed to <i>Cronobacter sakazakii</i> **
ENBNSP	ENTEROBACTER SPECIES, <i>not specified</i>
ENBOTH	ENTEROBACTER SPECIES, <i>other</i>
ETBNSP	ENTEROBACTERALES, <i>not specified</i>
ETBOTH	ENTEROBACTERALES, <i>other</i>
ENCFAE	ENTEROCOCCUS FAECALIS
ENCFAI	ENTEROCOCCUS FAECIUM
ENCNSP	ENTEROCOCCUS SPECIES, <i>not specified</i>
ENCOTH	ENTEROCOCCUS SPECIES, <i>other</i>
ESCCOL	ESCHERICHIA COLI
- F -	
FILOTH	FILAMENTS, <i>other</i>
FLASPP	FLAVOBACTERIUM SPECIES
FUNOTH	FUNGI, <i>other</i>
- G -	
GARSPP	GARDNERELLA SPECIES
- H -	
HAEINF	HAEMOPHILUS INFLUENZAE
HAEPAI	HAEMOPHILUS PARAINFLUENZAE
HAENSP	HAEMOPHILUS SPECIES, <i>not specified</i>
HAEOTH	HAEMOPHILUS SPECIES, <i>other</i>
HAFSPP	HAFNIA SPECIES
HELPYL	HELICOBACTER PYLORI
- K -	
KLEAER	KLEBSIELLA AEROGENES*
KLEOXY	KLEBSIELLA OXYTOCA
KLEPNE	KLEBSIELLA PNEUMONIAE
KLENSP	KLEBSIELLA SPECIES, <i>not specified</i>
KLEOTH	KLEBSIELLA SPECIES, <i>other</i>
- L -	
LACSPP	LACTOBACILLUS SPECIES
LEGSPP	LEGIONELLA SPECIES
LISMON	LISTERIA MONOCYTOGENES
- M -	
MORCAT	MORAXELLA CATHARRALIS
MORNSP	MORAXELLA SPECIES, <i>not specified</i>
MOROTH	MORAXELLA SPECIES, <i>other</i>
MOGSPP	MORGANELLA SPECIES
MYCATY	MYCOBACTERIUM, atypical
MYCTUB	MYCOBACTERIUM TUBERCULOSIS COMPLEX
MYPSPP	MYCOPLASMA SPECIES
- N -	
NEIMEN	NEISSERIA MENINGITIDIS
NEINSP	NEISSERIA SPECIES, <i>not specified</i>
NEIOTH	NEISSERIA SPECIES, <i>other</i>
NOCSP	NOCARDIA SPECIES
- P -	
PAROTH	PARASITES, <i>other</i>
PASSPP	PASTEURELLA SPECIES
PRESPP	PREVOTELLA SPECIES
PROSPP	PROPIONIBACTERIUM SPECIES
PRTMIR	PROTEUS MIRABILIS

CODE LIST: MICROORGANISMS

PRTNSP	PROTEUS SPECIES, <i>not specified</i>
PRTOTH	PROTEUS SPECIES, <i>other</i>
PRTVUL	PROTEUS VULGARIS
PRVSPP	PROVIDENCIA SPECIES
PSENSP	PSEUDOMONADACEAE FAMILY, <i>not specified</i>
PSEOTH	PSEUDOMONADACEAE FAMILY, <i>other</i>
PSEAER	PSEUDOMONAS AERUGINOSA
- S -	
SALENT	SALMONELLA ENTERITIDIS
SALNSP	SALMONELLA SPECIES, <i>not specified</i>
SALOTH	SALMONELLA SPECIES, <i>other</i>
SALTYP	SALMONELLA TYPHIMURIUM
SALTYP	SALMONELLA TYPHI or PARATYPHI
SERLIQ	SERRATIA LIQUEFACIENS
SERMAR	SERRATIA MARCESCENS
SERNSP	SERRATIA SPECIES, <i>not specified</i>
SEROTH	SERRATIA SPECIES, <i>other</i>
SHISPP	SHIGELLA SPECIES
STAAUR	STAPHYLOCOCCUS AUREUS
STAEPI	STAPHYLOCOCCUS EPIDERMIDIS
STAHAE	STAPHYLOCOCCUS HAEMOLYTICUS
STACNS	STAPHYLOCOCCI, COAGULASE-NEGATIVE, <i>not specified</i>
STAOOTH	STAPHYLOCOCCI, COAGULASE-NEGATIVE (CNS), <i>other</i>
STANSP	STAPHYLOCOCCUS SPECIES, <i>not specified</i>
STEMAL	STENOTROPHOMONAS MALTOPHILIA
STRHCG	STREPTOCOCCAE, HAEMOLYTIC (C, G), <i>other</i>
STRAGA	STREPTOCOCCUS AGALACTIAE (B)
STRPNE	STREPTOCOCCUS PNEUMONIAE
STRPYO	STREPTOCOCCUS PYOGENES (A)
STRNSP	STREPTOCOCCUS SPECIES, <i>not specified</i>
STROTH	STREPTOCOCCUS SPECIES, <i>other</i>
- V -	
VIRADV	ADENOVIRUS
VIRCMV	CYTOMEGALOVIRUS (CMV)
VIRCOV	SARS-CORONAVIRUS-2
VIRENT	ENTEROVIRUS (POLIO, COXSACKIE, ECHO)
VIRHAV	HEPATITIS A VIRUS
VIRHBV	HEPATITIS B VIRUS
VIRHCV	HEPATITIS C VIRUS
VIRHIV	HUMAN IMMUNODEFICIENCY VIRUS (HIV)
VIRHSV	HERPES SIMPLEX VIRUS
VIRINA	INFLUENZA A VIRUS
VIRINB	INFLUENZA B VIRUS
VIRINC	INFLUENZA C VIRUS
VIRNOR	NOROVIRUS
VIRPIV	PARAINFLUENZAVIRUS
VIRRHI	RHINOVIRUS
VIRROT	ROTAVIRUS
VIRRSV	RESPIRATORY SYNCYTIAL VIRUS (RSV)
VIRSAR	SARS-CORONAVIRUS
VIRVZV	VARICELLA-ZOSTER VIRUS
VIRNSP	VIRUS, <i>not specified</i>
VIROTH	VIRUS, <i>other</i>
- Y -	



CODE LIST: MICROORGANISMS

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YEAOTH	YEAST, <i>other</i>
YERSPP	YERSINIA SPECIES

\**Klebsiella aerogenes*: both KLEAER and the old code ENBAER (*Enterobacter aerogenes*) are accepted

\*\*Name change not affecting the code to be used when reporting