LABQUALITY

External Quality Assessment Scheme

Blood culture, screening, round 1, 2018

Welcome to participate in the EQA scheme for Blood culture, screening.

Specimens

Please find enclosed two lyophilized specimens and vials of rehydration fluid. Handle the specimens with the same care as corresponding clinical specimens capable of transmitting infectious disease. Specimens should after arrival be stored at 2 … 8 °C. Follow the standard operating procedure of your laboratory for disposal of the specimens. Please follow the instructions, incubate and culture the specimens and read the results. Record your results and the methods used in the enclosed result forms.

Background information

Specimen 001 (S001: LQ761818011): Sepsis. Hospitalized after a car crash accident in Greece.
Specimen 002 (S002: LQ761818012): Elderly patient with pneumonia.

Handling instructions:

1. Let the specimen and the rehydration fluid warm up to room temperature.
2. Cut the foil packet open at the end where you can feel the thicker part of the loop.
3. Remove the plastic sheath from the loop. Break the loop shaft off from handle directly into the tube containing warm rehydration fluid (blue cap).
4. Incubate the tube for 30 minutes at 35 … 37 °C.
5. Check that the black film dissolves completely out of the loop. Mix well and discard the loop.
6. Measure 10 mL of blood (taken from a healthy person or animal) into a sterile tube. *
7. Add **10 µL** of bacterial specimen to the blood. **
8. Mix well the content of the tube.
9. Divide the content of the tube into blood culture bottles: 5 mL in aerobic bottle and 5 mL in anaerobic bottle, or, if only one bottle is used (e.g. Oxoid Signal), add the whole content of the tube into this bottle.

Please note:

* To minimize the risk of coagulation, the blood can alternatively be added directly into the blood culture bottles as follows: 5 mL in aerobic bottle and 5 mL in anaerobic bottle, or, if only one bottle is used (e.g. Oxoid Signal) 10 mL directly into the bottle.

** If the blood is added directly into the blood culture bottles proceed as follows; **add 10 µL of bacterial specimen** into 500 µL of 0.9% NaCl, mix well and add 250 µL of this bacterial specimen into each blood culture bottle, or if only one bottle is used, add all 500 µL into the bottle.

Incubate similar to clinical specimens.

2018-03-06

INSTRUCTIONS

Product no. 5101
UN3373
LQ761818011-012/US
Subcontracting: sample pretesting

The shipment includes
- 2 lyophilized specimens
- 2 vials of rehydration fluids
- 2 result forms

If the kit is incomplete or contains damaged specimens, please report immediately to the EQA coordinator in order to obtain replacements.

Closing date
The results should be in Labquality not later than **April 3, 2018.**

Expected results
The expected results of the round are displayed in LabScala in the “View reports” section on April 5, 2018.

Inquires
EQA Coordinator
Yvonne Björkman
T. +358 50 501 4335
yvonne.bjorkman@labquality.fi

Labquality
Kumpulantie 15
FI-00520 Helsinki FINLAND

Telephone
+358 9 8566 8200

Fax
+358 9 8566 8280
+358 9 8566 8281

info@labquality.fi
www.labquality.fi

FINAS
Finnish Accreditation Service
PT02 (EN ISO/IEC 17043)

Quality Management ISO 9001

Reporting your results:
The results should be recorded on the enclosed paper forms; electronic LabScala forms are not yet available. We recommend returning your result forms as an attachment to info@labquality.fi. Also ordinary mail or fax can be used. Detailed contact info in column on the reverse page.

Filling in the paper form:
Please mark the name and the client code of your laboratory in the top right hand corner of the result form.
Report the blood culture system used in your laboratory. Next report the length of incubation when growth was detected, or, bottles were discarded as negative. The result of Gram staining is recorded in the section “further handling”. Finally tick the appropriate “report to the clinician”. If your laboratory represents a stem cell bank and does not identify the growth detected, kindly tick the appropriate box.

Closing date of the round is shown in the column on the right side of reverse page. Kindly note, that results, which are received at Labquality after this date, are not accepted in the result processing.

The expected results of the round are displayed in LabScala in the “View reports” -section on the date shown in the column on the right side of reverse page.

All comments concerning the scheme in general or the specimens are most welcome.

Barcodes for the specimens:

S001: LQ761818011

S002: LQ761818012

LABQUALITY

External Quality Assessment Scheme

Blood culture, round 1, 2018

Welcome to participate in the EQA Scheme for Blood culture.

Specimens
Please find enclosed two lyophilized specimens and vials of rehydration fluid. Handle the specimens with the same care as corresponding clinical specimens capable of transmitting infectious disease. Specimens should be stored after arrival at 2 … 8 °C. Follow the standard operating procedure of your laboratory for disposal of the specimens. Please follow the instructions, incubate and culture the specimens and read the results. Record your results and the methods used in the enclosed result forms.

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Incubate similar to clinical specimens.

2018-03-06

INSTRUCTIONS

Product no. 5100
UN3373
LQ761818011-012/US
Subcontracting: sample pretesting

The shipment includes
- 2 lyophilized specimens
- 2 vials of rehydration fluids.
- result forms and a code list

If the kit is incomplete or contains damaged specimens, please report immediately to the EQA coordinator in order to obtain replacements.

Closing date
The results should be in Labquality not later than **April 3, 2018.**

Expected results
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Inquiries
EQA Coordinator
Yvonne Björkman
yvonne.bjorkman@labquality.fi
T. +358 50 501 4335

Labquality
Kumpulantie 15
FI-00520 Helsinki FINLAND

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Filling in the paper form:
Please mark the name and the client code of your laboratory in the top right hand corner of the result form.

Report the blood culture system used in your laboratory. Next report the length of incubation when growth was detected, or, bottles were discarded as negative.
In the section “further handling”, please report the results of gram staining.
The final report should include the answer in written and the corresponding code number found on the enclosed code list. If the answer is not found on the list, please use code 9999.

Susceptibility testing (only for specimen 001):
In order to be comparable with the other participants´ results, please record which standard is followed in your laboratory for susceptibility testing procedures.
Susceptibility test results are given only for the antimicrobial agents that are routinely used in your laboratory for the isolated microbe in question.
For the disk diffusion method, report the inhibitory zone diameter (mm) and if MIC method is used, report the MIC value as mg/L. In the last column report the corresponding SIR-interpretation (S/I/R). The interpretation should be reported by taking into consideration the possible resistance mechanisms of the microbe.

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The expected results of the round are published in LabScala in the “View reports” -section on the date shown in the column on the right side of reverse page.

Specimen barcodes:

S001: LQ761818011

S002: LQ761818012

LABQUALITY **CODE LIST OF MICROBES** 2018/yb

When you have identified the microbe or obtained the gram stain result, please select the corresponding code number from this list. Transfer the number to the result form. If your identification of the microbe or the gram staining result can not be found on this code list, please use code 9999 and write the name of the microbe / staining result.

CODE	NAME
8556	*Achromobacter xylosoxidans* ssp. *denitrificans*
8038	*Acinetobacter* sp.
7647	*Acinetobacter baumannii*
5873	*Acinetobacter calcoaceticus*
2428	*Acinetobacter lwoffii*
3526	*Actinobacillus actinomycetemcomitans*
4845	*Actinomyces israelii*
3421	*Actinomyces odontolyticus*
8795	*Actinomyces* sp.
3396	*Aerococcus* sp.
3354	*Aeromonas caviae*
5837	*Aeromonas* sp.
4301	*Aeromonas hydrophila*
9911	*Alcaligenes* sp.
8123	*Alcaligenes faecalis*
7694	*Arcanobacterium haemolyticum*
7403	*Aspergillus* sp.
1825	*Aspergillus fumigatus*
1415	*Bacillus* sp.
2216	*Bacillus cereus*
8738	*Bacillus subtilis*
5938	*Bacteroides* sp.
8059	*Bacteroides fragilis*
8065	*Bacteroides ovatus*
1136	*Bacteroides uniformis*
6954	*Bacteroides vulgatus*
9972	*Bifidobacterium* sp.
7071	*Bordetella parapertussis*
5942	*Bordetella pertussis*
6415	*Brevundimonas diminuta*
1637	*Burkholderia cepacia*
8847	*Campylobacter* sp.
6658	*Campylobacter coli*
5342	*Campylobacter jejuni*
1119	*Candida albicans*
3034	*Candida glabrata*
2828	*Candida krusei*
6847	*Candida* sp.
1013	*Capnocytophaga canimorsus*
7665	*Cardiobacterium hominis*
8975	*Citrobacter* sp.
6168	*Citrobacter diversus*
3517	*Citrobacter freundii*
4933	*Clostridium* sp.
9607	*Clostridium difficile.*
1421	*Clostridium innocuum*
9793	*Clostridium perfringens*
3359	*Clostridium ramosum*
6715	*Clostridium septicum*
7695	*Clostridium sporogenes*
4797	*Clostridium tertium*
8334	*Corynebacterium* sp.
4405	*Corynebacterium diphtheriae*
1190	*Corynebacterium jeikeium*
6499	*Corynebacterium urealyticum*
6064	*Cronobacter sakazakii (*syn. *Enterobacter sakazakii)*
8068	*Cryptococcus neoformans*
6538	*Eggerthella lenta (*syn. *Eubacterium lentum)*
9293	*Eikenella corrodens*
1605	*Enterobacter* sp.
4596	*Enterobacter aerogenes*
4937	*Enterobacter agglomerans*-group
1841	*Enterobacter cloacae*
5696	*Enterococcus* sp.
4547	*Enterococcus casseliflavus*
8864	*Enterococcus faecalis*
3093	*Enterococcus faecium*
3129	*Enterococcus gallinarum*
4712	*Erysipelothrix rhusiopathiae*
7640	*Escherichia coli*
5688	*Escherichia coli,* EHEC
7479	*Finegoldia magna* (syn. *Peptostreptococcus magnus)*
1309	*Flavobacterium* sp.
2092	*Fusobacterium* sp.
3393	*Fusobacterium necrophorum*
9080	*Fusobacterium nucleatum*
8491	*Gardnerella vaginalis*
8409	*Gemella morbillorum*
0998	*Haemophilus* sp.
7572	*Haemophilus influenzae*
5161	*Haemophilus influenzae, type b*
5505	*Haemophilus parainfluenzae*
5316	*Kingella kingae*
9597	*Klebsiella* sp.
9416	*Klebsiella oxytoca*
1916	*Klebsiella ozaenae*
8712	*Klebsiella pneumoniae*
6393	*Lactobacillus acidophilus*
3498	*Leuconostoc* sp.
2963	*Listeria* sp.
9370	*Listeria monocytogenes*
6991	*Micrococcus* sp.
8906	*Moraxella* sp.
9463	*Moraxella catarrhalis*
8921	*Moraxella osloensis*
2249	*Morganella morganii*
6485	*Mycobacterium* sp.
1026	*Mycobacterium abscessus*
3342	*Mycobacteriuem tuberculosis*
9640	*Neisseria* sp.
1757	*Neisseria gonorrhoeae*
5335	*Neisseria lactamica*
7202	*Neisseria meningitidis*
9994	*Neisseria mucosa*
5022	*Nocardia* sp.
7060	*Nocardia asteroides*
1156	*Ochrobactrum anthropi*
8310	*Oligella ureolytica*
7260	*Oligella urethralis*
5214	*Parvimonas micra*
7008	*Pasteurella* sp.
6536	*Pasteurella multocida*
5507	*Peptostreptococcus* sp.
5494	*Peptostreptococcus anaerobius*
6261	*Plesiomonas shigelloides*
8227	*Prevotella melaninogenica*
2913	*Propionibacterium* sp.
6289	*Propionibacterium acnes*
2347	*Proteus* sp.
6986	*Proteus mirabilis*
9831	*Proteus vulgaris*
6283	*Providencia* sp.
6872	*Providencia stuartii*
8289	*Pseudomonas* sp.
7093	*Pseudomonas aeruginosa*
9574	*Pseudomonas fluorescens*
5462	*Pseudomonas putida*
9340	*Ralstonia pickettii (syn. Pseudomonas pickettii)*
7800	*Rhodococcus equi*
8672	*Rothia mucilaginosa* (syn. *Stomatococcus mucilaginosus)*
8019	*Salmonella* sp.
6015	*Salmonella* Enteritidis
5887	*Salmonella* Typhimurium
8244	*Serratia* sp.
7155	*Serratia marcescens*
7058	*Serratia rubidaea*
1860	*Shewanella putrefaciens*
4468	*Shigella* sp.
2832	*Shigella dysenteriae*
5614	*Shigella flexneri*
8490	*Shigella doydii*
3667	*Shigella sonnei*
7428	*Sphingobacterium multivorum*
9086	*Staphylococcus* sp.
2698	*Staphylococcus aureus*
4664	*Staphylococcus capitis*
9015	*Staphylococcus epidermidis*
6193	*Staphylococcus haemolyticus*
5736	*Staphylococcus hominis*
7270	*Staphylococcus lugdunensis*
3889	*Staphylococcus saprophyticus*
8249	*Staphylococcus warneri*
8805	*Staphylococcus xylosus*
1885	*Stenotrophomonas maltophilia*
1933	*Streptococcus* sp.
1933-4	*Streptococcus* sp. *(*ß-hem., not Group A*)*
1769	*Streptococcus agalactiae* (ß-hem., Group B)
5158-1	*Streptococcus anginosus*-group
7337	*Streptococcus anginosus*
9074	*Streptococcus bovis*
1018	*Streptococcus* sp., ß-hem., Group C
1053	*Streptococcus* sp., ß-hem, Group G
5158-1	*Streptococcus milleri*-group
9327	*Streptococcus mitis*-group
7986	*Streptococcus mitis*
3278	*Streptococcus mutans*
6147	*Streptococcus pneumoniae*
4030	*Streptococcus pyogenes* (ß-hem. Group A)
7477	*Streptococcus salivarius*
7738	*Streptococcus sanguinis*
9504	*Streptococcus viridans* -group
5953	*Veillonella sp.*
4751	*Veillonella parvula.*
9434	*Vibrio* sp.
1755	*Vibrio cholerae*
6827	Yeast, other than*Candida albicans*
3459	*Yersinia* sp.
8402	*Yersinia enterocolitica*
8258	*Yersinia pseudotuberculosis*

PRELIMINARY IDENTIFICATION: (G:327)

G010 Aerobe grampositive cocci
G011 Aerobe grampositive cocci in chains
G012 Aerobe grampositive diplococci
G013 Aerobe grampositive cocci in clusters
G016 Aerobe grampositive bacilli
G017 Aerobe grampositive sporeforming bacilli
G020 Aerobe gramnegative bacilli
G021 Aerobe gramnegative diplococci
G022 Aerobe gramnegative vibrio

G025 Anaerobe grampositive cocci
G026 Anaerobe grampositive bacilli
G027 Anaerobe grampositive sporeforming bacilli
G028 Anaerobe gramnegative cocci
G029 Anaerobe gramnegative bacilli

0320 Gramnegative bacteria
0321 Grampositive bacteria
6369 Yeast
0341 Mould

OTHER:

0331 Identification not performed in this laboratory, referred to another laboratory
0333 Normal flora
0334 Mixed flora
0337 No growth (sterile)
0338 No final result
9999 Other; please specify on the result form