

Surveillance culture for multidrug resistant bacteria Round 2, 2017

5071: MRSA (Methicillin resistant *Staphylococcus aureus*)

5072: VRE (Vancomycin resistant Enterococci)

5073: Gramnegative rods

Welcome to participate in the EQA scheme for the Surveillance culture for multidrug resistant bacteria. This shipment includes, according to your order, schemes 5071 and/or 5072 and/or 5073.

Specimens

Please find enclosed 1-3 lyophilized specimens (according to your order) 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 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 on the enclosed result form(s).

The following examinations are to be performed:

Specimen 001: **MRSA** culture and/or direct detection from specimen. (LQ762017021)

Specimen 002: **VRE** culture and/or direct detection from specimen. (LQ762017022)

Specimen 003: Culture and/or direct detection from specimen of (LQ762017023) **multidrug resistant gramnegative rods**

Instructions for handling the specimens

1. Let the specimens and the rehydration fluids 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 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 in 35 ... 37 °C incubator.
5. Check that the black film inside the loop (containing the lyophilized specimen) has dissolved completely.
6. Mix well the contents of the tube and proceed immediately with the examination similar to a patient specimen.

Reporting your results

→ We encourage you to use the **electronic LabScala result form**, which is available at www.labquality.fi (-> choose LabScala and login). The detailed instructions how to fill in the forms are found in "LabScala user instructions" on the top right-hand corner of the LabScala web page.

2017-06-27

INSTRUCTIONS

Product no. 5071, 5072, 5073
UN3373
LQ762017021-023/US
Subcontracting: sample pretesting.

The shipment includes

- 1-3 lyophilized specimens
- 1-3 vials of rehydration fluids
- result form(s) and 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 **July 28, 2017.**

Expected results

The expected results of the rounds are displayed in LabScala in the "View reports" section on August 1, 2017.

Inquiries

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Alternatively, the results can be recorded on the enclosed paper forms. We recommend that you return your paper result forms attached to email (info@labquality.fi). Also ordinary mail or fax can be used. Detailed contact info in column on reverse page.

Instructions for filling in the paper forms

Please mark the name and the client code of your laboratory in the top right hand corner of the result forms.

Report to the clinician (this section is scored)

Depending on your order, give an answer to the question if the specimen includes MRSA, VRE or multidrug resistant gramnegative rods. Also tick the appropriate circle regarding the referral of the specimen.

For specimens 002 and 003 report also the species isolated and the resistance mechanism. The results that will be scored are marked with an asterisk (*).

Regarding specimen 003; copy the result form in case of multiple findings.

Culture

Report the possible use of enrichment culture. For plate culture; report the type (selective, chromogenic) of the media.

Confirmation methods

For the disk diffusion method, report the inhibitory zone diameter (mm) and if MIC method is used, report the MIC value as mg/L. For specimens 001 and 002 also report the antimicrobial disk content (µg). In the last column report the corresponding SIR interpretation (**S**ensitive/**I**ntermediate/**R**esistant). Also tick the appropriate circle regarding the MIC method and the standard, which is followed in your laboratory for susceptibility testing procedures.

Record the possible results and other data for agglutination and/or molecular confirmation methods.

Direct molecular detection from specimen

Report the possible results for molecular detection tests performed directly from specimen. Regarding the multidrug resistant gramnegative rods (specimen 003), also report the target genes the test detects.

Closing date: Your results should be in Labquality by the date indicated in the column on the right side of the 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. The results will be published on the date shown in the column on the right side of reverse page.

All comments on the specimens and the schemes in general are most welcome. Thank You!

Specimen barcodes

S001: LQ762017021



S002: LQ762017022



S003: LQ762017023

