

WHO Measles and Rubella Proficiency Test – Instructions

The Victorian Infectious Diseases Reference Laboratory (VIDRL) prepares and distributes annually, the WHO Measles and Rubella IgM Proficiency Test Panel to participating laboratories of the WHO Measles and Rubella Laboratory Network.

The Measles/Rubella IgM proficiency test panel consists of 20 coded sera. The serum samples have been aliquoted in orange-capped clear tubes comprising a 2D code on the base of the tube with a jacket that includes a linear barcode and human readable ID on the side of the tube. Every tube has a barcode that is unique and consists of 2 letters followed by 8 numbers (eg. FR55834372).

Samples are of 50 microlitres to be tested for Measles IgM and Rubella IgM antibodies. As the volume is small, the vial should be centrifuged before opening to ensure the entire volume is available for testing. If a microcentrifuge is not available, tubes can be placed individually in larger tubes and spun in an alternate centrifuge. Use a micropipette to remove the aliquot for testing. Any serum remaining after testing should be stored in the original vial. ***All original vials should be kept until results and final scores have been returned.***

The samples contain no preservatives and should be refrigerated (4-8°C) on receipt.

It is important that the panel samples are processed using the measles IgM assay and protocol used routinely in your laboratory and not be given special treatment. If you routinely test for Rubella IgM antibodies, then please also test all samples for Rubella IgM (not just the measles IgM negative samples).

If using Siemens kits please calculate and report corrected Optical Density (OD) values for all samples using the Correction factor as discussed in the kit insert as this will impact on the final score.

If using Euroimmun kits please report OD values, Ratio (Sample/Cut-off) values and result interpretation. Include data for in-house control, kit controls, calibrator and kit validation criteria as outlined in the [Guide to reporting PT results - Euroimmun kit: CLICK HERE](#)

If using Virion Serion kits please report OD values and result interpretation. Include data for in-house control, kit negative control, standard serum, substrate blank and kit validation criteria as outlined in the [Guide to reporting PT results – Virion Serion kit: CLICK HERE](#)

All materials from human blood should always be handled as if they are potentially infectious.

ALL RESULTS MUST BE PROVIDED WITHIN 14 DAYS FROM PANEL RECEIPT

Please note: Kit lot numbers, expiry dates, nominal values, lower and upper margin, cut-off values and validation data must be included with all results. Please provide results of the in-house control as this will contribute to the overall score. Your final score will be determined by the accuracy of your test results, completeness of data, validity of test, use of in-house control and timeliness of reporting.

- The barcodes can be scanned on the downloaded csv template or entered manually.
- The website has a csv file upload option whereby participants can save their data into an offline csv file and upload to the website.

To download a copy of the csv template file, you must log on to VIDRL's website:

In order to log on, you must have the following:

- Internet access
- A valid email address is needed for password set up. If email address is invalid or incorrect please email the correct email address to: measlepanel@mh.org.au
The program can be run on any of the following internet browsers: Google Chrome (preferred), Safari, Mozilla Firefox, Internet Explorer 9 or above. *(Please ensure your internet browser's pop-up blocker is turned off).*
- Your laboratory ID code which can be located in last year's results. This code remains the same every year and is a means for identifying your laboratory.

1. Go to www.vidrl.org.au
2. Select 'Client Login' at the top right hand corner of the screen
3. In Username or Email Address field: Enter your Lab ID code eg. Lab-XXX or a valid email address. *(If your lab ID code contains only two digits, do not include a 0 (zero) preceding the number).*
4. In Password field: Enter your password

If you have not set up a password or have forgotten your password, leave Password field blank and select: 'Lost your password'.

You will be sent a link in your Inbox to reset your password. If you do not receive a link, check your SPAM or JUNK folder.

[After successful log on and below the 'Reporting templates' section, select from the following csv files depending on the kit used:](#)

[Measles csv template / Siemens kit](#)

[Measles csv template / Non-Siemens kit](#)

[Rubella csv template / Siemens kit](#)

[Rubella csv template / Non-Siemens kit](#)

To view/print instructions for submission of results: [CLICK HERE](#)

To submit results online:

REQUIREMENTS to submit results via VIDRL's website:

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4. [In Password field: Enter your password](#)

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