



Test with Confidence™

Testing the calibration of a microplate reader

It is good laboratory practice to periodically test the calibration of your microplate reader. IDEXX checks the calibration of its readers using calibration test plates, which can be purchased from most reader manufacturers or from laboratory equipment providers.

Important: The calibration plate must be calibrated for the wavelength you normally use for testing (e.g., 630 nm, 650 nm, 450 nm). The calibration can be performed by the manufacturer of the calibration plate.

Use the following steps to run a calibration test plate and to print the results:

1. Start the xChekPlus® software and log on.
2. Turn on the plate reader, and place the calibration plate in the holder.
3. From the File menu, select Template. Create a template for an assay you normally use, with a case name of your choosing and a count of 96. Save the template.
4. From the File menu, select Read.
5. Choose the assay and template you just created.
6. After the data is displayed, you may save it (using the save icon), and/or print it (using the print icon).
7. Using the printout, compare the optical density (OD) values for specific wells to the OD values on the calibration plate test card for the wavelength used.

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