

5 μ L sample volume in MercoDIA's Mouse Insulin and Rat Insulin ELISAs

High performing assays with low sample volume

To achieve the most sensitive, specific and robust assay with the highest accuracy, the sample volume in Mouse Insulin ELISA (10-1247-01/10) and MercoDIA Rat Insulin ELISA (10-1250-01/10) has been optimized to 10 μ L. However, sometimes there is a need to further decrease sample consumption.

A sample volume of 5 μ L can be used in both Mouse Insulin ELISA (10-1247-01/10) and MercoDIA Rat Insulin ELISA (10-1250-01/10). The assay protocol is slightly altered, see below.

Summary assay protocol for lower sample volume

Add Calibrators, samples and controls (not included in kit)	5 μL
Add enzyme conjugate 1X solution to all wells	100 μ L
Incubate	2 hours at 18-25°C on a plate shaker
Wash plate with wash buffer 1X solution	6 times
Add Substrate TMB to all wells	200 μ L
Incubate	30 minutes
Add Stop Solution to all wells	50 μ L Shake for 5 seconds
Measure A_{450}	Evaluate results

For further support please contact support@mercodia.com.

When working with low volumes, remember to:

- ...use appropriate and calibrated pipettes
- ...use reverse pipetting
- ...remove droplets from the outside of the tip

Warranty

Please note that the protocol described here is for research use only and that the warranty stated in the Directions for Use for the in vitro diagnostic products 10-1247-01/-10 Mouse Insulin ELISA and 10-1250-01/-10 Rat Insulin ELISA does not apply.