

User Guide: Positive and Negative Controls

Tissue Positive Controls (LPC) • Synthetic Positive Controls (CPC) • Negative Controls (LNC)

Test Principle, Intended Use and Limitations

Agdia tissue positive controls, synthetic positive controls, and negative controls are intended to validate ELISA assay performance and help users establish assay performance parameters. Agdia's control lots are bulk manufactured and Quality Control tested to ensure reliable performance.

Agdia's controls are manufactured from naturally infected hosts, mechanically inoculated hosts, synthetic materials, inactivated bacteria, or oomycete samples and are optimized for our ELISA assays. In some cases, positive controls may contain more than one target. Additionally, titer levels may slightly vary from batch to batch. Lyophilized material in positive controls may not be readily visible to the naked eye.

Handling Information

Store unopened controls refrigerated (2 - 8 °C), or alternatively, they can be frozen at -10 to -30 °C. Agdia warrants unopened controls for one year from the date of purchase.

Safety

Agdia recommends reading all relevant SDS sheets before using assay components: <http://docs.agdia.com/datasheets.aspx>.



Positive and Negative Control Preparation

1. Add 2 mL of extraction buffer to a new control bottle and recap.
2. Vortex for 10 - 15 seconds or vigorously shake for 45 - 60 seconds.
3. Inspect control for any residual powder on the cap that may not have been hydrated and remix as necessary.
4. Allow the control to sit for at least 5 minutes before use.
5. Use of frozen or aliquoted controls comes with increased stability risks and may not match expected O.D. values listed in the certificate of analysis.

Remaining Control Storage

Agdia recommends the use of freshly opened and hydrated controls, however, many users choose to aliquot and store remaining control for future use. *Please note that the use of aliquoted controls comes with increased stability risk factors and should be only done if the user assumes full liability.



Storing a traditional positive control, LPC

1. Separate remaining control into 120 µL aliquots (220 µL for duplicate testwells)
2. Store frozen at -10 to -30 °C
3. Do not refreeze aliquoted controls.



Storing a synthetic positive control, CPC

1. Leave remaining control in the original bottle
2. Store refrigerated at 2 - 8 °C.
3. Do not freeze synthetic controls.

Scan for
certificates
of analysis



Warranty

Agdia reagents are warranted for performance issues that arise from manufacturer defect. See product packaging for relevant expiration dates. Agdia's return policy can be found at www.agdia.com/customer-support/return-policy.

Additional Information

If you would like more information on how to run ELISA, please see Agdia's FAQ section, <http://www.agdia.com/customer-support/frequent-questions-and-troubleshooting>. For further documentation, including this user guide, buffer formulations, and a logsheet, please see Agdia's specific product webpages. For answers to your technical questions, please contact us at techsupport@agdia.com.

