Which CST ELISA (Enzyme-Linked Immunosorbent Assay) Solution is Best for Me?

Choosing the right ELISA solution is important, and we want you to get the absolute best results for your research project. Here's a quick comparison of our FastScan and PathScan ELISA kits and assays to help you decide.

	FastScan ELISA Kits	PathScan ELISA Kits and ELISA Pairs
Assay type	Solution-based sandwich	Solid-phase sandwich
Hands-on time	15 min	Kits (pre-coated plates): 25 min Pairs (plates coated by user): >45 min
Number of wash steps	1	Many
Typical time to result	90 mins	Kits (pre-coated plates): 240 min Pairs: (plates coated by user): >240 min - overnight
ELISA experience level	Beginner-Advanced	Beginner-Advanced
Sensitivity	Comparable or better than traditional ELISA	Comparable to traditional ELISA
Dynamic range	Comparable to traditional ELISA	Comparable to traditional ELISA
Sample types	Cell extract/tissue extract/other[1]	Cell extract/tissue extract/other[1]
Internal control for assay performance included in kit	Yes	No
Quantitation	Semi-quantitative	Semi-quantitative
Detection	Colorimetric	Colorimetric – All Chemiluminescence – Available with specific kits
Types of targets	Post-translational modifications, endogenous cellular proteins	Post-translational modifications, endogenous cellular proteins

[1] Other sample types may be compatible depending on specific kit. Samples must be prepared in such a way that they are compatible with immune reactivity.

Figure : Comparison of Pathscan (left) and FastScan (right) ELISA assay methods.

In the Pathscan ELISA assay method the capture antibody is pre-adsorbed onto the microplate well in advance. Sample, Detection Ab and a secondary HRP-linked Ab are each added serially with incubation and multi-wash steps in between each addition. The capture antibody binds to one site of the sample molecule, where the detection antibody recognizes another site, thereby forming the sandwich around the target.

FastScan ELISA kits use a streamlined format wherein the antibody-target sandwich complex is formed in solution in a single incubation, requiring only one wash. The capture antibody, detection antibody and target sample are mixed and added to a microplate well. The entire complex is anchored to the well via an anti-tag antibody, which has been pre-adsorbed in the well.

LISTE DES KITS FASTSCAN

LISTE DES KITS PATHSCAN

NOUS CONTACTER

Service client - commande : commande@ozyme.fr
Service technique :
Réactifs : 01 34 60 60 24 - tech@ozyme.fr
Instrumentation : 01 30 85 92 88 - instrum@ozyme.fr