

ImmunoBooster™

Bioworld Consulting Laboratories, LLC introduces a newly developed instrument, which speeds up the immunocomplex formation in various immunoassays. The **ImmunoBooster™** increases formation of stable antigen-antibody complexes in a way that a typical ELISA, Western blot or slide based immunoassay (IFA, IHC) can be completed in 10-20 minutes.

Up to **four** ELISA plates or **four** Western blots can be incubated simultaneously. By a simple replacement of the holder, up to **sixteen** microscope slides can be processed for immunostaining in less than 15 minutes.

ImmunoBooster™ does not require any changes in your protocol for any of the assays you are running. Simply place your ELISA plates, western blots or microscope slides inside the instrument and push start. After the program stopped, remove your plate or slide; briefly wash the plate or slides then add your secondary antibody and place the plates or slides back into the equipment and push start again. After the program stopped, remove your plate or slide and wash them as usual. If ELISA or Western blots were run, add your colorimetric or chemiluminescence substrate and develop as usual. Microscope slides can be read directly (if fluorescence antibodies were used) or developed with colorimetric substrate if enzyme labeled antibodies were used.

For further information and availability contact us at info@bioworldantibody.com

Time comparison of ImmunoBooster™ vs. standard ELISA

ImmunoBooster™	Steps	Standard ELISA
Incubation with primary antibody 4 minutes	Primary antibody binding	Incubation with primary antibody 1-2 hour
Washing the plates 1 minute	Wash	Washing the plates 1 minute
Incubation with secondary (labeled) antibody 4 minutes	Secondary (labeled) antibody binding	Incubation with secondary (labeled) antibody 1 hour
Washing the plates 1 minute	Wash	Washing the plates 1 minute
Time: 10 minutes		Time: 2-3 hours

Time comparison of ImmunoBooster™ vs. standard Western blotting

ImmunoBooster™	Steps	Standard Western
Incubation with primary antibody 3 minutes	Primary antibody binding	Incubation with primary antibody 1-2 hour
Washing the blots 5 minutes	Wash	Washing the blots 5 minutes
Incubation with secondary (labeled) antibody 3 minutes	Secondary (labeled) antibody binding	Incubation with secondary (labeled) antibody 1 hour
Washing the blots 2 times 3 minutes	Wash	Washing the blots 2-3 times 10 minutes
Time: 17 minutes		Time: 3-4 hours

Time comparison of ImmunoBooster™ vs. standard slide processing

ImmunoBooster™	Steps	Standard IFA
Incubation with primary antibody 3 minutes	Primary antibody binding	Incubation with primary antibody 1 hour
Washing the slides 2 minutes	Wash	Washing the slides 5 minutes
Incubation with secondary (labeled) antibody 3 minutes	Secondary (labeled) antibody binding	Incubation with secondary (labeled) antibody 1 hour
Washing the slides 2 times 2 minutes	Wash	Washing the slides 2 times 2 minutes
Time: 12 minutes		Time: 2-3 hours