

Product Datasheet

Universal Lateral Flow Assay Kit 4300-0100

Unit Size: 100 Tests

Storage of components varies. See protocol for specific instructions.

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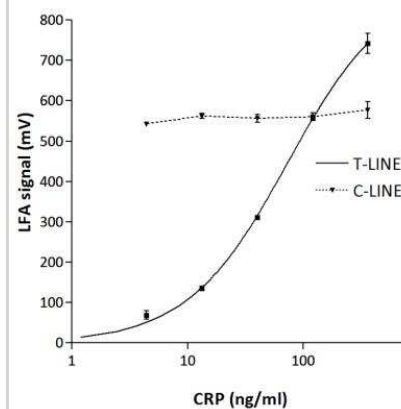


4300-0100**Universal Lateral Flow Assay Kit**

Product Information	
Unit Size	100 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Description	<p>The Expedeon Universal Lateral Flow Assay (LFA) Kit is designed to enable the easy development of customized sandwich lateral flow assays. The great advantage of this kit is its adaptability to any pair of capture and detection antibodies, which allows the detection of any type of analyte* without the need spray down capture antibodies on the test strip, a labor-intensive process that consumes large amounts of expensive antibody reagent.</p> <p>The kit combines Expedeon's easy to use Lightning-Link® antibody labeling and InnovaCoat® GOLD nanoparticle conjugation technologies with an immunochromatographic test performed on Universal-LFA strips. The capture antibody is conjugated to Lightning-Link® Ulfa-Tag, while the detection antibody is conjugated to 40nm InnovaCoat® GOLD, both of which require only 30 seconds to set up..</p> <p>The capture and detection antibodies are diluted and incubated with the analyte and 40nm InnovaCoat® GOLD-Biotin and then run on Universal LFA strips. Universal LFA strips consist of a nitrocellulose membrane containing a 'Test line' (T-line) of immobilized anti- Ulfa-Tag antibody, that binds the Ulfa-Tag-conjugated capture antibody which further binds the analyte in complex with the InnovaCoat GOLD®-detection antibody. A red T-line appears when the analyte is present and the line intensity varies depending on the analyte concentration (see Figure 1). Universal LFA strips also contain a 'Control-line' (C-line) striped with streptavidin, which confirms that the test is valid, and an absorbent pad to promote and control the flow of sample through the membrane.</p>
Kit Components	3x 100ug Lightning-Link® Ulfa-Tag conjugation kit, 3x MINI reaction 40nm InnovaCoat® GOLD, 40nm InnovaCoat GOLD®-Biotin, 100 Universal-LFA strips, Buffer, 2 x 96-well low binding well plates, Scoring card
Notes	<p>This product is manufactured by Abcam and distributed by Novus Biologicals.</p> <p>This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt and this statement overrides any mentioned guarantee period on the limitations section of this products datasheet. Please contact technical@novusbio.com with questions.</p>

Images

Universal Lateral Flow Assay Kit - Example of sandwich LFA assay for the detection of CRP in serum using the Universal LFA kit: Lighting-Link Ulfa-Tag and 40nm IC-GOLD are used to conjugate the capture and detection antibody respectively. Results were analysed using Qiagen ESEQuant reader.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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