



Lightning-Link™

30 second conjugation kits



◆ **Very easy to use**

◆ **Virtually no losses**

◆ **Little antibody required**

◆ **Easy to scale up**

Lightning-Link™ kits

The Lightning-Link™ conjugation system allows you to make antibody conjugates with minimal hands-on time - less than *30 seconds*. Simply add your antibody to a tube of Lightning-Link™ mix and the label becomes covalently attached to your antibody in a gentle and controlled process.

Go 'direct'

Direct labeling of antibodies greatly simplifies immunodetection techniques. Without the problems of crossover and/or non-specific binding from secondary reagents it is far easier to obtain high quality data in techniques such as flow cytometry, ELISA, western blotting and immunohistochemistry. A reduction in the number of incubation and wash steps also saves time and money.

Labels

- Phycoerythrin
- Allophycocyanin
- Biotin
- Alkaline phosphatase
- Horseradish peroxidase
- Glucose Oxidase
- Fluorescein

Superior technology

Lightning-Link™ is a sophisticated conjugation system in which the antibody is directionally coupled to the label (and not to itself) in a controlled fashion, creating a high quality stable conjugate with a *covalent* link.

As Lightning-Link™ is a one-step conjugation procedure (i.e. is not interrupted by desalting or dialysis steps), conjugates can be prepared with microgram quantities of protein with recoveries approaching 100%.

Conjugates are easy to scale up too – simply select a larger pack of Lightning-Link™ mix. Hands-on time remains fixed at 30 seconds, regardless of scale. The simplicity of process means that you get consistent performance of conjugates from prep to prep.



*Lightning-Link™ vials
Just add antibody!*

Lightning-Link™ HRP

Pack size	Code
1 x 100ug HRP (up to 400ug Ab)	701-0010
3 x 100ug HRP (each up to 400ug Ab)	701-0000
1 x 1mg HRP (up to 4mg Ab)	701-0002
5 x 1mg HRP (each up to 4mg Ab)	701-0003
1 x 5mg HRP (up to 20mg Ab)	701-0004

Lightning-Link™ R-PE (R-Phycoerythrin)

Pack size	Code
1 x 100ug R-PE	703-0005
3 x 100ug R-PE	703-0010
1 x 1mg R-PE	703-0015

Lightning-Link™ B-PE (B-Phycoerythrin)

Pack size	Code
1 x 100ug B-PE	716-0005
3 x 100ug B-PE	716-0010
1 x 1mg B-PE	716-0015

Lightning-Link™ APC (Allophycocyanin)

Pack size	Code
1 x 100ug APC	705-0005
3 x 100ug APC	705-0010
1 x 1mg APC	705-0015

Lightning-Link™ Fluorescein

Pack size	Code
3 reactions (200-400ug Ab scale)	707-0010
1 reaction (2-4mg Ab scale)	707-0015

Lightning-Link™ AP (Alk. phosphatase)

Pack size	Code
1 x 100ug AP	702-0005
3 x 100ug AP	702-0010
1 x 1mg AP	702-0015

Lightning-Link™ GOx (Glucose oxidase)

Pack size	Code
3 x 100ug GOx	703-0005
1 x 1mg GOx	703-0010

Lightning-Link™ Biotin type A

Pack size	Code
3 reactions (up to 200ug scale)	704-0010
1 reaction (up to 2mg scale)	704-0015

Lightning-Link™ Biotin type B

Pack size	Code
3 reactions (up to 200ug scale)	715-0010
1 reaction (up to 2mg scale)	715-0015

Biotin type A is intended for assays in which a streptavidin-labeled detection reagent (eg strep-HRP) will be used. Type B is optimised for assays in which the biotinylated protein is captured by streptavidin immobilized on a surface (ie plates, nitrocellulose, magnetic beads etc).



Innova Biosciences

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