

# Detection Module for Chemiluminescence

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DM-001–DM-006



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video protocol

## Let's get started!

These Detection Modules provide all the reagents needed to detect your target of interest with a primary antibody in a Simple Western size-based assay when paired with a Separation Module.

## Components

### CLAMSHELL BOX

INCLUDES	PART NO
Luminol-S (2 mL)	043-311
Peroxide (2 mL)	043-379
Streptavidin-HRP (132 µL)	042-414
Antibody Diluent 2 or Milk-Free Antibody Diluent (20 mL)	042-203 or 043-524
<i>And one of the following*:</i> Gt Anti-Rabbit Secondary HRP Antibody (2 mL) (min X: n/a)	DM-001
Gt Anti-Mouse Secondary HRP Antibody (2 mL) (min X: n/a)	DM-002
Secondary Streptavidin HRP (2 x 1 mL) <sup>1</sup> (min X: n/a)	DM-004
Gt Anti-Human IgG Secondary HRP Antibody (2 x 1 mL) <sup>2</sup> (min X: HulgA, HulgM, Bov, Hrs, Ms, Rb)	DM-005
Dk Anti-Goat Secondary HRP Antibody (2 x 1 mL) <sup>3</sup> (min X: Chk, GPig, Hrs, Hu, Rb, Rat, Ms, SyrHms)	DM-006

\*No secondary antibody is provided with the "No Secondary Detection Module" (PN DM-003).

<sup>1</sup>Use PN 043-459-2 to reorder the Secondary Streptavidin HRP a la carte.

<sup>2</sup>Use PN 043-491-2 to reorder the Anti-Human IgG Secondary HRP antibody a la carte.

<sup>3</sup>Use PN 043-522-2 to reorder the Anti-Goat Secondary HRP antibody a la carte.

## Storage conditions

Store clamshell at 2–8 °C upon receipt.

## Other things you'll need

- Reagents and consumables supplied in the Separation Module.
- An insert with instructions for preparing reagents and pipetting your plate is provided with the Separation Module, or it can be downloaded from our [website](#).

See reverse →

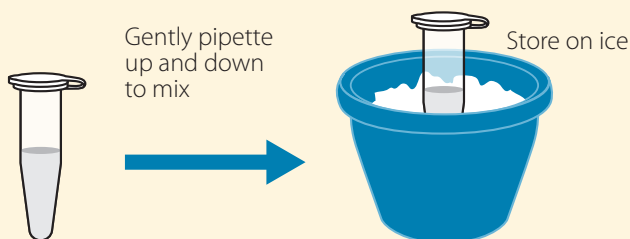
# Detection Module preparation

## A ANTIBODIES

- Primary Antibody: Dilute in Antibody Diluent 2. Refer to training material to determine optimal dilution. If you're using the System Control, add 25  $\mu$ L of the System Control Primary Antibody to 225  $\mu$ L of your diluted Primary Antibody.
  - If using Goat Primary Antibody, dilute with Milk-Free Antibody Diluent.
- Secondary HRP Conjugate (if applicable): It is provided ready to use in the Detection Module. If you're using your own, consult your FAS or the Antibody Database on the [ProteinSimple website](#).

## B SUBSTRATE

- Combine 200  $\mu$ L Luminol-S and 200  $\mu$ L Peroxide supplied in the detection module in a microcentrifuge tube.



See the Separation Module product insert for instructions to complete experiment setup.