

Western Blotting

HRPL™ Kit



- Horseradish Peroxidase Visualization System
- Safer, Contains No DMSO
- Reduced Background
- Longer Shelf Life, Enhanced Stability

National Diagnostics' HRPL Kit is a nonradioactive chemiluminescence based method for the detection of the enzyme horseradish peroxidase. The HRPL Kit can be used in a wide range of applications including gene detection, oligonucleotide detection, Western Blotting, immunoassays, and *in-situ* hybridizations.

The HRPL Kit causes light to be produced when any molecule labeled with horseradish peroxidase (HRP) is exposed to the reagents in the kit. This light can be recorded on X-ray film or counted in a tube or microtiter plate luminometer. The light output peaks approximately 2 minutes after introduction of the reagent, and lasts for more than 1 hour.

Storage: All system components are best stored at 4°C and are stable for 1 year.

APPLICATIONS

Western blotting	87	Southern blotting	79
Northern blotting	78		

Product Name	Cat. No.	Size
HRPL Kit	CL-205	240ml kit (1920 cm ² membrane) 900ml kit (7200 cm ² membrane)

ProtoBlock™ System



- Protein Blocking Solution for Immunoassays
- Eliminates Endogenous Background

Western Blot immunoassay is a highly specific method of protein analysis using affinity-purified antibodies. An enzyme-linked affinity-purified antibody used in conjunction with highly sensitive chemiluminescent substrate provides an excellent method for detection and characterization of samples bound to membranes through Western Blot or Dot ELISA. Following transfer of proteins to a membrane, it is very important to block the membrane with a good blocking solution. ProtoBlock Solution is designed to work optimally with Horseradish Peroxidase Luminescent Kit (HRPL Kit, Order No. CL-205). ProtoBlock solution contains a broad spectrum of proteins, protein analogs, detergents, and buffers which are designed to minimize endogenous backgrounds. ProtoBlock solution may be used for Western Blotting, Southern Blotting, immunoassays, and *in situ* hybridization.

Storage: All system components may be stored at room temperature (20°C).

APPLICATIONS

Western blotting	87	Southern blotting	79
Northern blotting:	78		

Product Name	Cat. No.	Size
ProtoBlock System	CL-252	1 System