

★ Real-Time PCR Equipment Set Up and Preparation

Store at 2-8°C in the dark for long time storage.

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- Product Manual
- HiQ Pro-Block

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Introduction

HiQ Pro-Block is a highly effective blocking reagent capable of reducing non-specific background staining associated with immunodetection techniques such as immunocytochemistry, ELISA, and Western blotting. Antibodies tend to bind non-specifically to membranes and tissues. To minimize this nonspecific binding, a blocking buffer is used to enhance signal-to noise ratio.

HiQ Pro-Block shows no cross-reactivity and it blocks more effectively than serum albumins. The blocking potency of HiQ Pro-Block is superior to most other conventional formulations in producing a high signal-to-noise ratio.

HiQ Pro-Block may also be used as effective diluents for antibodies.

HiQ Pro-Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum.

HiQ Pro-Block does not contain biotin. The reagent is filtered at 0.2 microns.

★ Appearance and pH

Buffered solution of serum-free protein and proprietary additives in a phosphate buffer, pH 7.4-7.6.

★ Uses and Limitations

- Not to be taken internally.
- For In-Vitro Diagnostic use only.
- Histological applications.
- Immunologic applications.
- Do not use if reagents become cloudy.
- Do not use past expiration date.
- Use caution when handling reagents.

★ Immunohistochemistry

1. Apply enough HiQ Pro-Block to cover the tissue section.
2. Incubate tissue section for 5 minutes at either room temperature or 37° C prior to application of the primary antibody. After incubation, rinse once in buffer

Note: do not incubate tissue sections in excess of 10 minutes or a reduction in desired staining may occur.

Note: For bulk staining, pour HiQ Pro-Block in a covered staining tray and dip slides for 5 minutes. Replace with fresh HiQ Pro-Block after 5-10 uses. This step can be performed at the time of deparaffinization is desired.

Note: For antibodies with particularly high background staining, dilute HiQ Pro-Block in PBS (1:5-10) and use as a wash buffer in addition to the blocking step.

★ EIA/ELISA

1. Add 100-300 ul of HiQ Pro-Block for 96 well plates.
2. Incubate microtiter well for 2-10 minutes prior to addition of sample. Rinse, and continue procedure.

Note: Do not incubate in excess of 10 minutes.

★ Membrane Blots

1. Incubate membranes on a shaker in 0.5-1mL/cm² of HiQ Pro-Block for 15 min to 1 hr at room temperature, or 8-30 min at 37°C.

★ Precautions

- Avoid contact with skin and eyes.
- Harmful if swallowed.
- Follow all Federal, State, and local regulations regarding disposal.