

Q-Block Protein Microarray Blocking Buffer

Use:

Q-Block Protein Microarray Blocking Buffer is a non-protein based reagent designed to block non-specific protein binding on porous nitrocellulose substrates. This blocker was formulated for maximizing assay signal while minimizing background from assays utilizing Quantum Nanoparticles (QNPs) for detection, and is also compatible with other assay array types using organic fluors (e.g. Alexa Fluor dyes, Li-Cor dyes) or colorimetric endpoint detection (e.g. DAB) after enzymatic amplification. It is supplied as a 1X solution, ready to use out of the bottle, for microarray applications. For difficult sample types producing very high backgrounds, we recommend the use of Super G Protein Microarray Blocking Buffer.

Storage:

Q-Block Protein Microarray Blocking Buffer should be stored at 4°C once received. It may be stored at that temperature for at least 12 months.

Blocking Instructions:

1. Cover the microarray surface to be assayed completely with Q-Block Protein Microarray Blocking Buffer. For best results, submerge the microarray completely in the blocking buffer. No agitation is recommended during blocking.
2. Perform blocking for 10-60 minutes prior to proceeding to the assay. Note that blocking time should always be optimized for your specific application.
3. Wash the microarray after blocking with 1X PBS (or buffer similar in composition to your assay buffer) three times, five minutes each time, with agitation prior to proceeding with the assay.