

Thermo Scientific Pierce protein-free blocking buffers exhibit less background than other blocking buffers in Thermo Scientific Pierce SearchLight Multiplex arrays. SearchLight™ arrays were created by spotting up to 12 cytokine capture antibodies per well. The plates were blocked with the indicated blocking buffers and the background for each well determined. Error bars represent the standard deviation for triplicate microplate wells.

Protein-free blocking buffers, Thermo Scientific Pierce

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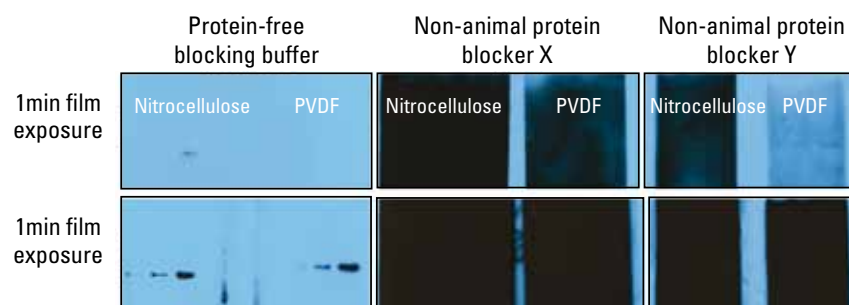
NEW

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- Compatible with multiple detection systems – can be used in Western blots, ELISA or arrays; do not interfere with avidin-biotin systems
- Available with 0.05% Tween™-20 detergent already added
- High signal to background – for optimal sensitivity
- 1X formulation ready to use

Traditional blocking buffers contain proteins that can cross-react with a system, resulting in high background and reduced signal.

Protein-free blocking buffers eliminate or minimise cross-reactivity associated with protein-based blocking buffers in ELISA, Western blotting, arrays and other immunodetection applications.



Thermo Scientific Pierce protein-free blocking buffer efficiently blocks Western blotting membranes. Jurkat apoptotic lysate (Lane 1, 0.25µg, Lane 2, 0.50µg) was separated in 4-20% Tris-glycine gels and transferred to nitrocellulose or PVDF membranes. The membranes were blocked for 1 hour at RT with the indicated blocking buffer, probed with mouse anti-PARP (0.25µg/mL) followed by goat anti-mouse HRP (4ng/mL) and detected by Thermo Scientific Pierce SuperSignal West Dura chemiluminescent substrate.

Catalogue No	Description
PN37570	Protein-Free (TBS) blocking buffer, 1L Proprietary formulation in Tris-buffered saline at pH 7.4 with Kathon™ antimicrobial agent
PN37571	Protein-Free T20 (TBS) blocking buffer, 1L Proprietary formulation in Tris-buffered saline at pH 7.4 with 0.05% Tween-20 and Kathon™ antimicrobial agent
PN37572	Protein-Free (PBS) blocking buffer, 1L Proprietary formulation in phosphate-buffered saline at pH 7.4 with Kathon™ antimicrobial agent
PN37573	Protein-Free T20 (PBS) blocking buffer, 1L Proprietary formulation in phosphate-buffered saline at pH 7.4 with 0.05% Tween-20 and Kathon™ antimicrobial agent

Blocker BSA, Thermo Scientific Pierce

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For all blocking applications.

- 10% solutions of high quality bovine serum albumin

Catalogue No	Description
PN37525	Blocker BSA in PBS (10X), 200mL
PN37520	Blocker BSA in TBS (10X), 125mL

Blocker casein, Thermo Scientific Pierce

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Ready-to-use solution (1% w/v) of Hammarsten Grade casein for blocking non-specific sites.

- Use when skim milk demonstrates high background problems
- Thimerosal-free formulation

Catalogue No	Description
PN37532	Blocker casein in TBS, 1L 1% (w/v) casein Hammarsten Grade in TBS, Kathon™ as preservative, pH7.4
PN37528	Blocker casein in PBS, 1L 1% (w/v) casein Hammarsten Grade in PBS, Kathon™ as preservative, pH7.4