

# Non-Mammalian Blocking Buffers

Arlington Scientific's non-mammalian blocking buffers for *research and manufacturing use*, are effective in preventing cross-reactivity with mammalian proteins and antibodies by reducing background interferences.

## Formula Specifics:

**Buffer Base:** *Tris Buffered Saline vs Phosphate Buffered Saline*

- Arlington Scientific has multiple formulas which include both Tris and PBS based buffers within their respective pH ranges. Tris is recommended for targets that may be phosphorylated.

**Preservative:** *Azide and Azide Free (which incorporates Proclin 300 as the preservative)*

- Depending on the type of conjugate used, Azide-free may be a good choice, especially for use with HRP (horseradish peroxidase).

**Surfactant:** *Without surfactant or with (Surfynol 485 for PBS, Tween 20 for Tris)*

- Using a buffer with a surfactant can reduce non-specific interactions such as hydrophobic interactions between blocking proteins and antigens or antibodies.
- Blocking buffers with surfactants are NOT recommended for Western Blot assays.

**Serum/Plasma Free:**

- A good option if using an assay that includes a biotinylated platform.

## Catagories:

**Aquatic Block (EIA, ELISA, Western Blot)** Superior performance, sensitivity and stability.

**Aquatic Block Serum Free (Lateral Flow, EIA)** A universal blocking reagent with superior stability and flow characteristics.

**Balance Blocker (EIA, Western Blot, Lateral Flow)** A universal blocking reagent for diagnostic and research systems. Superior blocking and sensitivity.

**Aqua Block (Western Blot, EIA, Chemiluminescence)** Superior performance in sensitive assay systems.

**Sample Kit** 100 ml samples each of Aquatic Block (Tris, PBS), Aquatic Block Serum Free (Tris, PBS), Balance Blocker (Tris, PBS).

## Learn more:

**Arlington Scientific**

(800) 654-0146

[www.arlingtonscientific.com/blocking-buffers](http://www.arlingtonscientific.com/blocking-buffers)

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