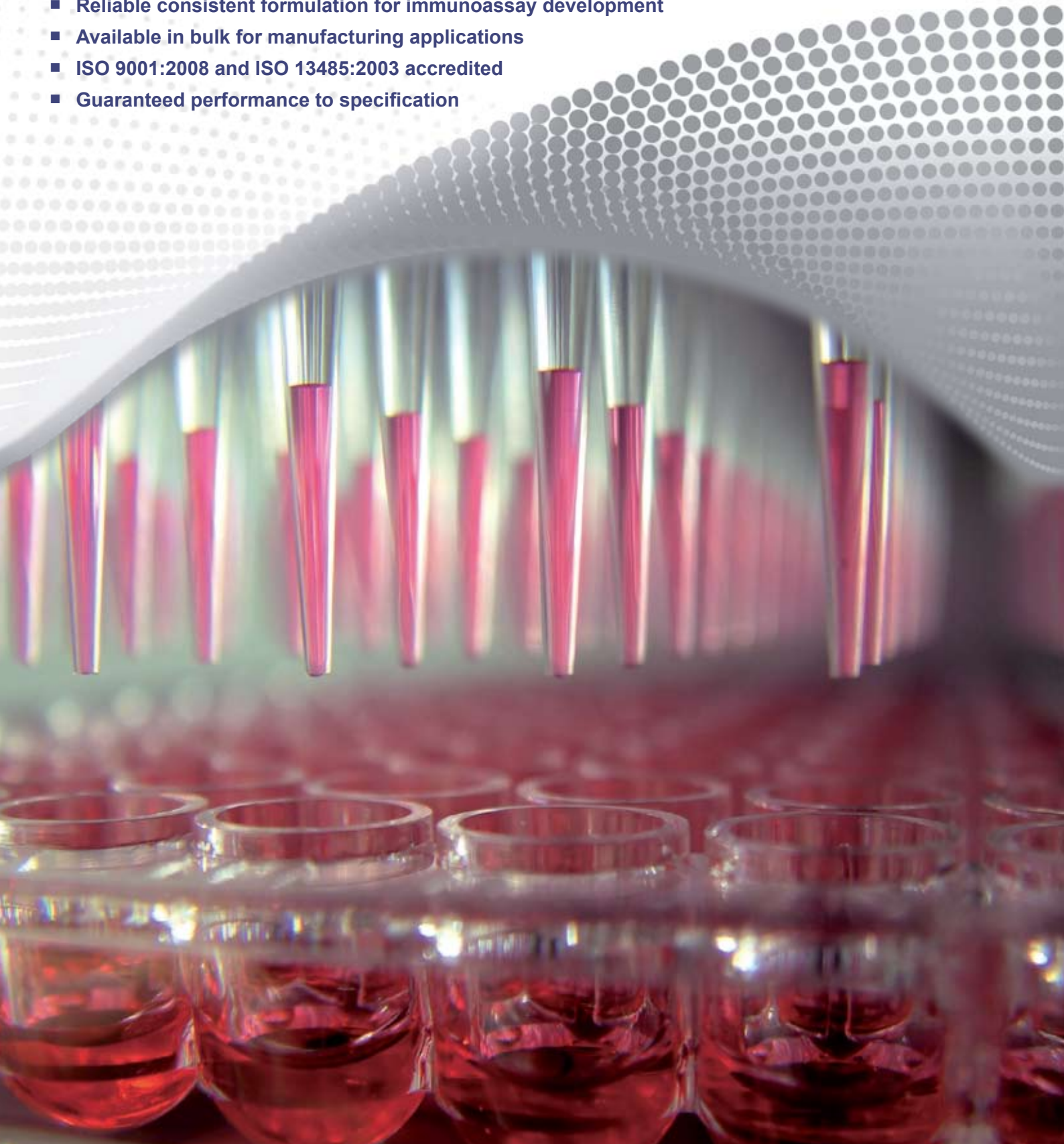
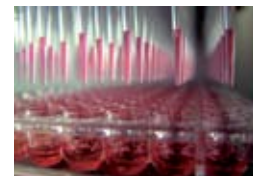


# High-Quality ELISA Reagents

- Reliable consistent formulation for immunoassay development
- Available in bulk for manufacturing applications
- ISO 9001:2008 and ISO 13485:2003 accredited
- Guaranteed performance to specification



# High-Quality ELISA Reagents



## Coating

When the capture antibody or antigen is bound to a suitable surface, coating buffers should be used to stabilize coated proteins and improve assay performance.

### ELISA Coating Buffer (BUF030)

A specialist coating buffer to stabilize the coating protein and maximize adsorption. Gives greater binding reactivity with the detection substrate and enhanced signal.

## Blocking

Choosing the right blocking buffer increases sensitivity, reduces non-specific binding and background noise, and lengthens product shelf life.

### Block Ace (BUF029)

Block Ace is a high-performance blocking buffer that can also be used for washes and for antibody dilution. Decreases background and sharpens standard curves.

### BSA Block (BUF032)

Minimize non-specific binding in sandwich and antigen-down ELISAs using BSA Block. Contains a proprietary protein stabilizer that creates a consistent long term environment for coating antigens or capture antibodies.

### Ultrablock (BUF033)

A buffer with extra blocking strength containing proprietary fish proteins designed to reduce non-specific binding. Ultrablock coats non-specific binding sites that are sterically inaccessible to traditional blockers.

### Synblock (BUF034)

For maximum blocking strength use Synblock, a novel protein-free blocking formulation for sandwich ELISAs. This synthetic, inert blocking agent provides maximum reduction of non-specific background noise, while stabilizing the coating protein.

## Assay Diluents

Reduce matrix effects by using assay diluents to equalize differences between the sample matrix (serum, plasma, or urine) and the standard curve.

### IgM Reducing Assay Diluent (BUF038)

Formulated for use with problematic serum and plasma samples with proprietary additives that reduce IgM-mediated conjugate bridging interference. Also contains a proprietary calcium chelating agent to inhibit interference from complement and thrombin.

### HISPEC Assay Diluent (BUF049)

BUF049 works to reduce cross-reactivity, non-specific binding, and matrix effects in immunoassays. HISPEC buffer can efficiently deal with interference caused by HAMA or Rheumatoid Factor.



## Conjugate Stabilizers

Stabilizing diluents are used to reconstitute lyophilized conjugates and to dilute concentrated conjugates, prolonging their shelf life.

### HRP-Stabilplus™ (BUF052)

This product gives superior stabilization of dilute Horseradish Peroxidase (HRP)-conjugated proteins allowing manufacturers of diagnostic assays to provide dilute, ready-to-use enzyme conjugates. This diluent does not contain any bovine materials.

### AP-Stabilplus™ (BUF053)

Provides superior stabilization of AP-conjugated proteins with similar specifications to our HRP stabilizing product above.

### AbGuard™ Stabilizer (BUF051)

Provides greatly enhanced long-term stability for HRP-conjugated antibodies and Streptavidin-peroxidase conjugates. Works at very low end-user concentrations and decreases the variability caused by changing shipping and storage conditions.

## Washing

Rinsing with wash buffers during the coating process and between reagent addition steps effectively removes excess material from the wells.

### Wash Buffer (BUF031)

This high-performance washing solution increases the efficiency of washing stages leading to a reduction in background noise and increased signal.

## Substrates

Chemical substrates are converted by enzymes to a detectable signal such as a color change or fluorescence emission.

### TMB One (BUF056/BUF057)

TMB One is a robust HRP substrate for ELISA, offering 4 years of stability at 4°C.

### TMB Plus (BUF042/BUF043)

A liquid TMB (3,3', 5, 5'-tetramethyl-benzidine) substrate that yields a 40% higher signal than TMB One. For assays where increased sensitivity is desired.

### TMB X-tra (BUF054/BUF055)

TMB X-tra is the latest TMB substrate, offering superior stability and optimum sensitivity.

These products are also available with a red indicator dye to provide a convenient tracking system that minimizes pipetting errors without assay interference.

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