



Product Specification

Product: **Antibody(IgG)/Antigen-PolyHRP Conjugate Stabilizer with High Temperature Stability function, enhanced, ready-to-use**

Code Number: **#AA1-HTS-E**

Lot Number: 321642

Storage: +2°C/+8°C; neutral/borosilicate type I glass, PC/PET/PETG/PP/HD-PE

Expiration date: 02/2026

Appearance: Transparent to hazy/turbid, almost colorless to white or slightly beige or yellowish/yellow or slightly orange/pinkish high density viscous colloidal liquid, 0,2/0,45µm filterable. Degree of opacity, intensity and type of coloration may vary and do not affect performance of the product.

Odor: Weak, characteristic

Preservative/anti-microbial: 5-Bromo-5-nitro-1,3-dioxane, 1000 ppm

QC release (ELISA-based NSB-eliminating and detection strength boosting activity use test and biotin control): Passed

NOTE: This product is for *in vitro* research or further IVD manufacturing use only.

AA1-HTS-E is an enhanced version of Stabilizer AA1-HTS. It is added with specialty enhancers that boost positive signals with Ab/Ag-PolyHRP but at the same time do not elevate backgrounds.

Thus, AA1-HTS-E basically improves signal-to-noise ratios. It can increase OD signals in colorimetric ELISA with TMB substrate factor 1,5-2 depending on specific system.

When correctly used, this product will provide **real-time stability** for ready-to-use Antibody and Antigen PolyHRP conjugates during at least 18 months **at +2°C/+8°C**, over 8 months at +18°C/+22°C (room temperature) and several weeks-months at +37°C.

Although specially developed for PolyHRP, this product will work as powerful Stabilizer with conventional Antibody, Antigen, PrA/G-, etc. HRP conjugates, diverse biotinylated reagents, fluorescent (e.g. Cy3/5) conjugates, calibrator and control reagents and other liquid diagnostic formulations as it contains dedicated (miscellaneous) protein stabilizer and strong universal oxygen scavenger components.