



## Product Specification

Product name: **Antibody(IgG)/Antigen-PolyHRP Conjugate Stabilizer RHT**  
(Real-time High Temperature), *ready-to-use*

Product code: **#AA3-RHT**

Lot Number: 525199

Storage: +4°C/+25°C; plastic (PC/PET/PETG/PP/HD-PE) bottles/vials. **AA3-RHT** is also compatible with neutral/borosilicate type I glass. Using other type glass bottles/vials is not recommended with this product.

Expiration date: 07/2023

Appearance: Transparent liquid, 0.45/0.2/0.1µm-filterable

Odor: Weak, characteristic

Preservative/anti-microbial: 5-Bromo-5-nitro-1,3-dioxane (BND), 1500 ppm

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

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

**AA3-RHT** is a novel product comprising 100% synthetic formula. It is absolutely protein-free reagent containing no organic substances of the animal, plant, microbial or other natural origin. It does also not contain phenol compounds or other volatile organic substances having distinctively “chemical” odor. This product is non-hazardous, non-toxic, non-carcinogenic, environmentally safe unrestricted product.

**AA3-RHT** will provide real-time stability to ready-to-use Antibody(Ab:IgG)- and Antigen(Ag)-PolyHRP conjugates at +2°C/+8°C (beyond one year) and room temperature (at least one year).

**AA3-RHT** will support Ab/Ag-PolyHRP conjugates also in the very low working strength concentrations down to 200-100-50 ng/ml. Here it is however worth pointing out that we do basically not recommend using PolyHRP conjugates at final working strength concentrations lower than 200 ng/ml which concentration gives a maximum saturation in the most ELISA tests and respectively – maximum sensitivity. **AA3-RHT** will maintain activity of diluted Ab/Ag-PolyHRP conjugates in working strength ready-to-use format at a level compliant with mandatory IVD requirements on stressed/accelerated reagent stability at elevated temperatures.

**AA3-RHT** replaces **AA2-HT**.



### HOW TO USE AA3-RHT:

Dilute PolyHRP conjugate to chosen working strength directly in Stabilizer. Avoid foaming. It is not necessarily recommended to re-filter prepared ready-to-use conjugate formulation. However, if re-filter, use only 0,45 µm + GF filter units. Remember, PolyHRP is **not filterable** through **0,2 µm and smaller** pore size filters. Clean PC, PET/PETG, PP, HD-PE vials/bottles are all equally applicable for storage of stabilized Ab/Ag-PolyHRP conjugates diluted in AA3-RHT. Storage in glass is not recommended.

NOTE: **AA3-RHT** is not compatible with casein based liquid formulations as **AADB/UCDB** or **AA1/SA1**. Therefore we do not recommend making any mixtures thereof. Huge precipitation may occur when mixing AA3-RHT with casein containing buffers!

**AA3-RHT** is compatible with intact and polymerized/aggregated mIgG and normal animal sera, i.e. it can be adjusted through mixing with applicable HAMA and heterophilic antibody blockers. Adding serum and serum-derived material shall not alter stability performance of **AA3-RHT**, if volume of additives does not exceed 10% of the total modified product volume.

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