

Research use only. Not for use in diagnostic procedures.

AlphaLISA[®]

Human Erythropoietin (EPO) Detection Kit

Product number: AL206 C Lot Number: 3358669

Material provided:

Kit Format: AL206C: 500 assay points AL206F: 5000 assay points

The number of assay points is based on an assay volume of 50 µL in 96- or 384-well assay plates using

components at the recommended concentrations.

Analyte Format: AL206S: 30 Units (U) (one vial contains an amount of human EPO sufficient for performing 10

AlphaLISA standard curves). Please note that 0.48 U of AlphaLISA EPO is equivalent to 1 International Unit (IU) of recombinant human EPO (NIBSC/WHO Second International Standard

(code 88/574)).

Manufacturing date: 11/21/2024 Document version: 1

Product Information

Application: This kit is designed for the quantitative determination of human EPO in serum, buffered

solution or cell culture medium using a homogenous AlphaLISA assay (no wash steps).

Kit contents: The kit contains 5 components: AlphaLISA Acceptor beads coated with an Anti-Analyte

Antibody, Streptavidin-coated Donor beads, Biotinylated Anti-Analyte Antibody, lyophilized

analyte and 10X AlphaLISA Immunoassay Buffer.

Sensitivity: Lower Detection Limit (LDL): 1.0 mUnit (U) /mL

Dynamic Range: 1.0 – 30 000 mU/mL

Storage: Store kit in the dark at +4°C. Store reconstituted analyte at -20°C.

Stability: This product is stable for at least 12 months from the manufacturing date when stored in its

original packaging and the recommended storage conditions. Note: Once reconstituted, the

human EPO analyte is stable for at least 45 days at -20°C

Quality Control

Lot to lot consistency is confirmed in an AlphaLISA assay. Maximum and minimum signals, EC_{50} and LDL were measured on the EnVision Multilabel Plate Reader with Alpha option. We certify that these results meet our quality release criteria. Maximum counts may vary between bead lots and the instrument used, with no impact on LDL measurement.

Maximum signal: 428,664 counts Minimum signal: 285 counts

EC₅₀: 5.728 U/mL LDL: 1.506 mU/mL

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