

INTENDED USE & DESCRIPTION

For use as quantitative controls for the determination of Human Erythropoietin concentrations in biological fluids. Concentrations have been assigned using the R&D Systems Human Erythropoietin Quantikine ELISA kit. Controls are prepared from pooled human serum. They contain natural and recombinant human Erythropoietin. Controls are supplied frozen in 1 mL aliquots and contain 0.05% sodium azide as preservative.

STORAGE & STABILITY

Frozen controls should be stored at $\leq -20^{\circ}\text{C}$ and are stable for at least 6 months from the date of receipt. Thawed controls are stable for seven days when stored at $2-8^{\circ}\text{C}$. Do not freeze and thaw repeatedly and do not store in a self-defrosting freezer. The controls should appear free of particulate matter and signs of microbial growth. Avoid contamination of reagents or incorrect results may occur.

REAGENT PREPARATION

Thaw the controls at $2-8^{\circ}\text{C}$. Be sure to indicate the thaw date on each vial as it is thawed for use.

PRECAUTIONS

- These controls have been determined non-reactive for HBs Ag, HIV-1 Ag, anti-HCV, and anti-HIV-1/2. Because no test method can offer complete assurance that these or other potentially infectious organisms are absent, they should be handled with the same precautions as those observed with patient serum or plasma. Never pipette by mouth and avoid contact with skin and mucous membranes.
- Controls contain sodium azide which may react with lead and copper plumbing to form explosive metallic azides. Flush with large volumes of water if disposing down the drain.

PROCEDURE & EXPECTED VALUES

Controls should be used undiluted and assayed as unknown specimens.

The acceptable ranges (± 3 SD) for the analyte in these controls are printed below. Due to possible variations in techniques and methodologies, it is recommended that each laboratory determine its own target range. Laboratories using other test systems should establish their own acceptable ranges as these assays may produce different values.

Analyte	Catalog #	P529192 (mIU/mL)	P529203 (mIU/mL)	P529212 (mIU/mL)
Human Erythropoietin	DEPRU0B	7.86 - 12.8	28.5 - 46.5	84.9 - 139

TECHNICAL HINTS & LIMITATIONS OF THE PROCEDURE

- The ranges were determined using the R&D Systems Human Erythropoietin Quantikine ELISA kit. If expected values are not obtained, verify that the lot numbers on the vials correspond with the lot numbers listed.
- The results obtained with these controls depend upon several factors associated with methods and instrumentation. Test systems other than those supplied by R&D Systems may result in values that differ from those printed on this product datasheet.