# Quantikine™ Immunoassay Control Group 246

**Catalog Number:** QC246
**Lot Number:** P399483
**Size:** 1 vial/low, 1 vial/mid, 1 vial/high

## INTENDED USE & DESCRIPTION

For use as quantitative controls for the determination of cytokine concentrations in biological fluids. Concentrations have been assigned using R&D Systems® Quantikine ELISA kits. Controls are prepared in a buffered protein base with preservatives. They contain recombinant human cytokines at low, medium and high concentrations. Controls are supplied lyophilized.

## STORAGE & STABILITY

Unreconstituted controls should be stored at 2-8 °C and are stable for at least 6 months from date of receipt. Depending on the analyte of interest, reconstituted controls may be stable when stored at ≤ -20 °C. Users should evaluate the frozen stability of the controls in their application or discard after use.

## REAGENT PREPARATION

Reconstitute each vial with the volume of deionized or distilled water indicated in the chart below.

## 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 # | Kit Diluent | Water Recon. Volume | Lot # P351552 (pg/mL) | Lot # P351555 (pg/mL) | Lot # P351558 (pg/mL) |
|---|---|---|---|---|---|---|
| **Human IL-6 HS** | HS600C | RD5-4 | 1.5 mL | 0.395-0.747 | 1.85-3.11 | 4.92-8.03 |

## TECHNICAL HINTS & LIMITATIONS OF THE PROCEDURE

- The ranges were determined using R&D Systems' Quantikine ELISA kits. If expected values are not obtained, verify that the lot numbers on the vials correspond with the lot numbers listed above and the correct volume of deionized or distilled water was used for reconstitution of the controls.
- 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.



**Global** bio-techne.com info@bio-techne.com TEL +1 612 379 2956 **USA** TEL 800 343 7475 **Canada** TEL 855 668 8722
**Europe | Middle East | Africa** TEL +44 (0)1235 529449 **China** TEL +86 (21) 52380373