R&D SYSTEMS
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Quantikine™ Immunoassay Control Group 7

Catalog Number: QC22
Lot Number: P180987
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 diluted porcine serum 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 analytes 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	Units	Lot # 1502493	Lot # 1502494	Lot # 1502495
Human Free BDNF	DBD00, SBD00, PDBD00	RD5K	2.0 mL	pg/mL	324-528	929-1515	1795-2929
		RD6P	4.0 mL		275-449	786-1350	1559-2821
Human CD40 Ligand	DCDL40, SCDL40, PDCDL40	RD5P	2.5 mL	pg/mL	303-522	986-1609	1957-3194
Human ENA-78	DX000	RD5L	2.0 mL	pg/mL	183-411	524-1077	1122-1830
		RD6-1	2.0 mL		183-319	518-934	866-1866
Human Eotaxin-2	DCC240B	RD5-5	2.0 mL	pg/mL	276-555	845-1578	1566-3084
		RD6-35	2.0 mL		396-716	1208-2047	2403-3921
Human Fas	DFS00	RD5L	2.0 mL	pg/mL	169-279	517-843	1073-1750
Human FGF acidic*	DFA00B	RD5-5	1.5 mL	pg/mL	144-249	444-788	898-1466
		RD6X	1.5 mL		139-261	503-827	995-1624
Human IL-12/IL-23 p40	DP400, SP400, PDP400	RD5P	2.0 mL	pg/mL	140-249	465-758	894-1458
		RD6-13	3.0 mL		91-260	364-762	795-1413
Human PDGF-BB	DBB00, SBB00, PDBB00	RD5K	2.0 mL	pg/mL	151-255	331-797	847-1382
		RD6-3	2.0 mL		146-274	476-776	930-1517
Human PIGF	DPG00, SPG00, PDPG00	RD5K	2.0 mL	pg/mL	65-125	192-313	356-582
		RD6-11	2.0 mL		66-127	212-346	407-680
Human TARC**	DDN00, SDN00, PDDN00	RD5-5	2.0 mL	pg/mL	146-249	453-740	890-1452
		RD6Q	2.0 mL		171-278	513-838	1016-1657

*Do not vortex.
**Let controls sit for 30-45 minutes without mixing prior to setting up the assay. Vortex immediately before use.

TECHNICAL HINTS & LIMITATIONS OF THE PROCEDURE

- The ranges were determined using R&D Systems' Quantikine 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.

bio-techne®
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