

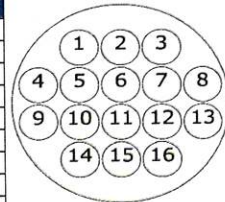
## CERTIFICATE OF ANALYSIS

Q-Plex™ Human Cytokine HS (15-Plex)  
Software Product Code: HCHM200803-HSQ62

**REF** Part Number: 112433HU  
**LOT** Lot Number: HCHK200803 18782 001  
Expiration Date: 2023-NOV-11

Component	Part Number	Lot Number	Recon. Volume	Exp. Date
Plate	112452HU	HCHP221221	N/A	2024-DEC-21
Sample Diluent	101104HU	HQ6S220909	N/A	2024-SEP-09
Calibrator Diluent	N/A	N/A	N/A	N/A
Assay Diluent	N/A	N/A	N/A	N/A
Competitor	N/A	N/A	N/A	N/A
Calibrator	112455HU	HCHM200803	750 $\mu$ L	2024-DEC-13
Calibrator Additive	N/A	N/A	N/A	N/A
Controls	N/A	N/A	N/A	N/A
Detection	112456HU 01	HCH4DQ6211111	6 mL	2023-NOV-11
Streptavidin HRP	101173GR	QNSN221024	N/A	2024-APR-24
Substrate A	101159GR	QNSA221020	N/A	2024-OCT-20
Substrate B+	101120GR	QNSB+221020	N/A	2024-OCT-20
Wash Buffer	101158GR	QNSW221123	N/A	2024-NOV-23

Spot #	Analyte	Units	Cal Conc	ULOQ	LLOQ	LLD
1	IL-1 $\alpha$	pg/mL	1160	1160	1.59	0.80
2	IL-1 $\beta$	pg/mL	3360	3360	4.61	2.30
3	IL-2	pg/mL	47	47	0.06	0.03
4	IL-4	pg/mL	18	18	0.02	0.01
5	IL-5	pg/mL	260	260	0.36	0.18
6	IL-6	pg/mL	240	240	0.33	0.16
7	IL-10	pg/mL	2320	2320	3.18	1.59
8	IL-12p70	pg/mL	2480	2480	3.40	1.70
9	IL-13	pg/mL	290	290	0.40	0.20
10	IL-15	pg/mL	3360	3360	4.61	2.30
11	IL-17	pg/mL	4500	4500	6.17	3.09
12	IL-23	pg/mL	13750	13750	56.58	28.29
13	IFN $\gamma$	pg/mL	93	93	0.13	0.06
14	TNF $\alpha$	pg/mL	640	640	0.88	0.44
15	TNF $\beta$	pg/mL	400	400	0.55	0.27
16	REF	N/A	N/A	N/A	N/A	N/A



Q-Plex™ ARRAYS

QC Release: \_\_\_\_\_

Date: 04 JAN 23

QA Release: \_\_\_\_\_

Date: 04 JAN 23

for Research Use Only