

## CERTIFICATE OF ANALYSIS

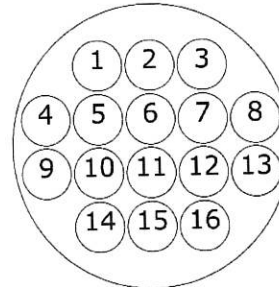
### Q-Plex™ Human Cytokine HS (15-Plex)

|                                                                                   |                                  |                                                                                                                                         |
|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>REF</b>                                                                        | Part Number: 112433HU            | Software Product Code:<br><b>HCHM200803-HSQ62</b><br> |
| <b>LOT</b>                                                                        | Lot Number: HCHK200803 22794 001 |                                                                                                                                         |
|  | Expiration Date: 2027-OCT-21     |                                                                                                                                         |

### Reconstitute Calibrator using 750 µL of Sample Diluent

| Component        | Part Number | Lot Number   | Recon. Volume | Exp. Date   |
|------------------|-------------|--------------|---------------|-------------|
| Plate            | 112452HU    | HCHP260617   | N/A           | 2028-JUN-17 |
| Sample Diluent   | 101104HU    | HQ6S251021   | N/A           | 2027-OCT-21 |
| Calibrator       | 112455HU    | HCHM200803   | 750 µL        | 2028-JUN-25 |
| Detection        | 112456HU 01 | HCHDQ6260605 | 6 mL          | 2028-JUN-05 |
| Streptavidin HRP | 101173GR    | QNSN260507   | N/A           | 2027-NOV-07 |
| Substrate A      | 101159GR    | QNSA260427   | N/A           | 2028-APR-02 |
| Substrate B+     | 101120GR    | QNSB+260427  | N/A           | 2028-APR-02 |
| Wash Buffer      | 101158GR    | QNSW260518   | N/A           | 2028-MAY-18 |

| Spot # | Analyte  | Cal Conc | Units | LLD   | LLOQ  | ULOQ  |
|--------|----------|----------|-------|-------|-------|-------|
| 1      | IL-1α    | 1160     | pg/mL | 0.80  | 1.59  | 1160  |
| 2      | IL-1β    | 3360     | pg/mL | 2.30  | 4.61  | 3360  |
| 3      | IL-2     | 47.00    | pg/mL | 0.032 | 0.064 | 47.00 |
| 4      | IL-4     | 18.00    | pg/mL | 0.012 | 0.025 | 18.00 |
| 5      | IL-5     | 260      | pg/mL | 0.18  | 0.36  | 260   |
| 6      | IL-6     | 240      | pg/mL | 0.16  | 0.33  | 240   |
| 7      | IL-10    | 2320     | pg/mL | 1.59  | 3.18  | 2320  |
| 8      | IL-12p70 | 2480     | pg/mL | 1.70  | 3.40  | 2480  |
| 9      | IL-13    | 290      | pg/mL | 0.20  | 0.40  | 290   |
| 10     | IL-15    | 3360     | pg/mL | 2.30  | 4.61  | 3360  |
| 11     | IL-17A   | 4500     | pg/mL | 3.09  | 6.17  | 4500  |
| 12     | IL-23    | 13750    | pg/mL | 28.29 | 56.58 | 13750 |
| 13     | IFNγ     | 93.00    | pg/mL | 0.064 | 0.13  | 93.00 |
| 14     | TNFα     | 640      | pg/mL | 0.44  | 0.88  | 640   |
| 15     | TNFβ     | 400      | pg/mL | 0.27  | 0.55  | 400   |
| 16     | REF      | N/A      | N/A   | N/A   | N/A   | N/A   |



**Q-Plex™** ARRAYS

QC Release: Kaylee Kowallis Date: 26 JUN 26  
 QA Release: 26 JUN 26 Date: 26 JUN 26  
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