

**CERTIFICATE OF ANALYSIS**

 Q-Plex™ Mouse Cytokine Inflammation HS (14-Plex)  
 Software Product Code: MHSM220208-IFCP13R

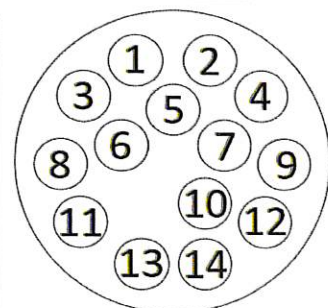

REF Part Number: 111049MS

LOT Lot Number: MC1K220208 19103 001

Expiration Date: 2023-OCT-21

| Component           | Part Number | Lot Number  | Recon. Volume | Exp. Date   |
|---------------------|-------------|-------------|---------------|-------------|
| Plate               | 111052MS    | MCIP221206  | N/A           | 2023-DEC-06 |
| Sample Diluent      | 112457MS    | MHSS221021  | N/A           | 2023-OCT-21 |
| 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          | 112455MS    | MHSM220208  | 650 µL        | 2024-MAR-15 |
| Calibrator Additive | N/A         | N/A         | N/A           | N/A         |
| Controls            | N/A         | N/A         | N/A           | N/A         |
| Detection           | 112456MS    | MHSD230212  | 6 mL          | 2024-FEB-12 |
| Streptavidin HRP    | 101173GR    | QNSN221228  | N/A           | 2024-JUN-28 |
| Substrate A         | 101159GR    | QNSA221221  | N/A           | 2024-DEC-21 |
| Substrate B+        | 101120GR    | QNSB+221221 | N/A           | 2024-DEC-21 |
| Wash Buffer         | 101158GR    | QNSW220803  | N/A           | 2024-AUG-03 |

| Spot # | Analyte  | Cal Conc | Units | ULOQ | LLOQ  | LLD   |
|--------|----------|----------|-------|------|-------|-------|
| 1      | IL-1α    | 680      | pg/mL | 530  | 0.73  | 0.36  |
| 2      | IL-1β    | 1890     | pg/mL | 1980 | 2.72  | 1.36  |
| 3      | IL-2     | 170      | pg/mL | 270  | 0.37  | 0.19  |
| 4      | IL-3     | 29       | pg/mL | 29   | 0.040 | 0.020 |
| 5      | IL-4     | 150      | pg/mL | 150  | 0.21  | 0.10  |
| 6      | IL-6     | 1180     | pg/mL | 1180 | 1.62  | 0.81  |
| 7      | IL-10    | 500      | pg/mL | 500  | 0.69  | 0.34  |
| 8      | IL-12p70 | 480      | pg/mL | 480  | 0.66  | 0.33  |
| 9      | IL-17    | 620      | pg/mL | 620  | 0.85  | 0.43  |
| 10     | TNFα     | 400      | pg/mL | 400  | 0.75  | 0.38  |
| 11     | MIP-1α   | 590      | pg/mL | 590  | 0.81  | 0.40  |
| 12     | GM-CSF   | 360      | pg/mL | 470  | 0.64  | 0.32  |
| 13     | RANTES   | 2280     | pg/mL | 2280 | 3.13  | 1.56  |
| 14     | REF      | N/A      | N/A   | N/A  | N/A   | N/A   |


**Q-Plex™** ARRAYS

QC Release:

Date: 11 SEP 23

QA Release:

Date: 13 SEP 23

for Research Use Only