|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Data set | D1 | D2 | D3 | D4 | D5 |
| Cell types | mGMP, mMPP, mPreGM, mPreMegE, mMkP, mHSC, cMoP, mMac | mPreGM, mMkP, mPreMegE, mMac, cMoP, mGMP | mHSC, mMEG | mESC | hMPP |
| Magn | 20x | 20x | 20x | 10x | 20x |
| Micro | 2 | 2 | 2 | 2 | 1 |
| Experimenters | 3 | 4 | 1 | 1 | 1 |
| Images train | 8,864 | x | 24 | 22 | x |
| Nuclei train | 554,228 | x | 2,702 | 2,790 | x |
| Exp train | 14 | x | 1 | 1 | x |
| Images val | 985 | x | 10 | 10 | x |
| Nuclei val | 66,894 | x | 1,381 | 1,025 | x |
| Exp val | 14 | x | 1 | 1 | x |
| Images test | 3,153 | 6,243 | 29 | 10 | 816 |
| Nuclei test | 193,973 | 311,091 | 979 | 2,712 | 9,556 |
| Exp test | 12 | 5 | 1 | 1 | 1 |
| Exp total | 14 | 5 | 3 | 3 | 1 |
| visual artifacts | x | x | x | x | microfluidic chip |