**Table S3:** Release criteria for K562-derived aAPC (clone #4) working cell bank

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| --- | --- | --- |
| **TEST** | **LABORATORY** | **SPECIFICATION** |
| **Bacteriostasis and Fungistasis** | AppTec Laboratory Services | Negative |
| **Sterility by 21CFR610.12** | AppTec Laboratory Services | Negative |
| **Agar Cultivable and Non- Agar Cultivable Mycoplasma** | BioReliance | Negative |
| ***In vitro* Adventitious Virus testing** | BioReliance | Negative |
| **Identity** **Isoenzyme analysis** | BioReliance | Human Origin |
| **GFP+ Phenotype** | MDACC GMP Flow Cytometry Laboratory | ≥80%  |
| **CD19+ Phenotype** | MDACC GMP Flow Cytometry Laboratory | ≥80%  |
| **CD86+ Phenotype** | MDACC GMP Flow Cytometry Laboratory | ≥80%  |
| **CD137L+ Phenotype** | MDACC GMP Flow Cytometry Laboratory | ≥80% |
| **CD64+ Phenotype** | MDACC GMP Flow Cytometry Laboratory | ≥80%  |
| **CD32+ Phenotype** | MDACC GMP Flow Cytometry Laboratory | ≥80% |
| **Endotoxin (LAL) EndoSafe** | MDACC GMP Quality Control Laboratory | ≤5EU/mL |
| **Viability By Trypan Blue** | MDACC GMP Quality Control Laboratory | ≥ 60% |