**Table 2a:** Simulated single-cell data/algorithms

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| --- | --- | --- | --- | --- |
| Title | Algorithm | # Cells | Simulation methods | Reference |
| Splatter | DCA, DeepImpute, PERMUDA, scDeepCluster, scVI, scScope, solo | ~2000 | Splatter/R | [78] |
| CIDR | sclGAN | 50 | CIDR simulation | [54] |
| NB+dropout | Dhaka | 500 | Hierachical model of NB/Gamma + random dropout |  |
| Bulk RNA-seq | SAUCIE | 1076 | 1076 CCLE bulk RNAseq + dropout conditional on expression level |  |
| SIMLR | scScope | 1 million | SIMLR, high-dimensional data generated from latent vector | [43] |