

Materials List for:

Generation of Induced Pluripotent Stem Cells from Muscular Dystrophy Patients: Efficient Integration-free Reprogramming of Urine Derived Cells

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Materials

| Name | Company | Catalog Number | Comments |
|--|------------------------|----------------|-------------------------------------|
| Materials | | | |
| 4 Oz. Specimen Cup with Lid | STL Medical Supply | M9AMSAS340 | For Urine Sample Collection |
| 15 ml BD-Falcon Tubes | Fisher Scientific | 352097 | |
| 50 ml BD-Falcon Tubes | Fisher Scientific | 352098 | |
| Round Glass Coverslips | Fisher Scientific | 12-545-81 | |
| CytoTune-iPS Sendai Reprogramming Kit | Life Technologies | A1378-001 | |
| PBS, pH 7.4 | Life Technologies | 10010-023 | |
| Pen-Strep w/o Glutamine | Life Technologies | 15140-122 | Warm in 37 °C water bath before use |
| RPMI Medium 1640 | Life Technologies | 11875-093 | Warm in 37 °C water bath before use |
| B-27 Supplement w/Insulin (50x) | Life Technologies | 17504-044 | Warm in 37 °C water bath before use |
| B-27 Supplement w/o Insulin (50x) | Life Technologies | 0050129SA | Warm in 37 °C water bath before use |
| DMEM/F12 (1:1) | Life Technologies | 11330-032 | Warm in 37 °C water bath before use |
| Versene, 1:5,000 | Life Technologies | 15040066 | Warm in 37 °C water bath before use |
| bFGF (10 µg) | Life Technologies | 13256-029 | Warm in 37 °C water bath before use |
| Cell Counter Cartridges | Life Technologies | C10228 | |
| Knockout Serum (500 ml Bottle) | Life Technologies | 10828-028 | Warm in 37 °C water bath before use |
| Recovery Cell Culture Freezing Medium | Life Technologies | 12648-010 | |
| Keratinocyte-SFM (1x), Liquid | Life Technologies | 17005-042 | Warm in 37 °C water bath before use |
| DMEM, High Glucose, Glutamax | Life Technologies | 10566-016 | Warm in 37 °C water bath before use |
| Ham's F-12 Nutrient Mix | Life Technologies | 11765-054 | Warm in 37 °C water bath before use |
| EGF Recombinant Human Protein, Liquid Form | Life Technologies | PHG0311L | Warm in 37 °C water bath before use |
| Insulin, Human Recombinant, Zinc Soln | Life Technologies | 12585-014 | Warm in 37 °C water bath before use |
| TeSR-E8 | Stem Cell Technologies | 5940 | Warm in 37 °C water bath before use |

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| ROCK Inhibitor (Y-27632) | Selleck | S1049 | Warm in 37 °C water bath before use |
| Matrigel | BD Biosciences | 354277 | hESC Qualified Matrix, LVED Free |
| RNeasy Mini Kit | Qiagen | 74104 | |
| iScript cDNA Synthesis Kit | Bio-Rad | 170-8890 | |
| DreamTaq Green PCR Master Mix (2x) | Thermo-Scientific | K1081 | |
| FBS-Qualified | Sigma Aldrich | F6178 | Warm in 37 °C water bath before use |
| Adenine Bioreagent | Sigma Aldrich | A2786-5G | Warm in 37 °C water bath before use |
| Cholera Toxin from <i>Vibrio cholerae</i> | Sigma Aldrich | C8052-.5MG | Warm in 37 °C water bath before use |
| Hydrocortisone | Sigma Aldrich | H0888-1G | Warm in 37 °C water bath before use |
| Holo-transferrin from human | Sigma Aldrich | T0665-50MG | Warm in 37 °C water bath before use |
| 3,3',5-Triiodo-L-thyronine sodium salt | Sigma Aldrich | T6397-100MG | Warm in 37 °C water bath before use |
| DAPI | Santa Cruz Biotechnology | SC-3598 | |
| Fluoromount Aquous mounting medium | Sigma Aldrich | F4680 | |
| 16% Paraformaldehyde | Alfa-Aesar | 43368 | |
| Antibodies | | | |
| Mouse anti CD44 - labeled with FITC | BD Biosciences | 560977 | |
| Mouse anti CD146 - labeled with PE | BD Biosciences | 561013 | |
| Mouse anti CD73 - labeled with PE | BD Biosciences | 561014 | |
| Mouse anti- α -smooth muscle actin | Sigma Aldrich | A2547 | |
| Mouse anti-Vimentin | Abcam | ab8978-100 | |
| Mouse Anti - TRA-1-81 | Life Technologies | 411100 | |
| Rabbit anti Oct 3/4 | Santa Cruz Biotechnology | SC-9081 | |
| Mouse Anti Dystrophin | Leica Biosystems | NCL-DYSB | |