| SOP # | Title of Standard Operating Procedure | Initial/Date |
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| 5000 | Quality Management Plan for the Transplantation and Cellular Therapy Laboratory |  |
| 5001 | Standard Operation Procedures and Document Control |  |
| 5002 | Disaster Plan for the Transplantation and Cellular Therapy Laboratory |  |
| 5003 | Laboratory Employee Training |  |
| 5004 | Laboratory Security |  |
| 5005 | Generation of Procedure Orders |  |
| 5006 | Laboratory Records |  |
| 5007 | Communication and Coordination of Laboratory Procedures |  |
| 5008 | Laboratory Procedure Charging |  |
| 5100 | Biological Safety Cabinet Operation and Maintenance |  |
| 5101 | Tabletop Centrifuge (Allegra 6) Operation and Maintenance |  |
| 5103 | Water Bath Operation and Maintenance |  |
| 5105 | Sebra Tube Sealer Operation and Maintenance |  |
| 5106 | Terumo Sterile Tubing Welder Operation and Maintenance |  |
| 5107 | SoLow Refrigerator Operation and Maintenance |  |
| 5108 | SoLow Freezer Operation and Maintenance |  |
| 5109 | Acculab Electronic Balance Operation and Maintenance |  |
| 5110 | Mettler Toledo Excellence XS Precision Balance Operation and Maintenance |  |
| 5111 | Liquid Nitrogen (LN2) Storage Tank Operation and Maintenance |  |
| 5112 | Microliter Pipette Operation and Maintenance |  |
| 5113 | PipetAid Operation and Maintenance |  |
| 5114 | Temp Chex Red Spirit Thermometer Operation and Maintenance |  |
| 5115 | Product Transport Container Operation and Maintenance |  |
| 5116 | CO2 Incubator Operation and Maintenance |  |
| 5117 | Accsense Environmental Monitoring System Operation and Maintenance |  |
| 5120 | Controlled Rate Freezer Planer Kryo 10 Operation and Maintenance |  |
| 5121 | Controlled Rate Freezer Integra 750 Operation and Maintenance |  |
| 5122 | MVE Dry (Cryo) Shipper Operation and Maintenance |  |
| 5124 | Endosafe® Portable Test System for Endotoxin Measurement Operation and Maintenance |  |
| 5125 | Traceable® Infrared Thermometer Gun Operation and Maintenance |  |
| 5126 | Fluke Thermometer Operation and Maintenance |  |
| 5127 | Olympus Microscope Operation and Maintenance |  |
| 5130 | EK-G Electronic Balance Operation and Maintenance |  |
| 5131 | Harris Freezer Operation and Maintenance |  |
| 5133 | Frigidaire Refrigerator/Freezer Operation and Maintenance |  |
| 5135 | FACS Canto Operation and Maintenance |  |
| 5136 | CryoPod Carrier Operation and Maintenance |  |
| 5137 | Cell Seal Automated Thawing System Operation and Maintenance |  |
| 5200 | Laboratory Audits |  |
| 5201 | Microbial Surveillance |  |
| 5202 | Management of Positive Microbial Cultures |  |
| 5203 | Hematopoietic Progenitor Cell/Cellular Therapy Product Outcome Analysis |  |
| 5204 | Validation, Verification, and Qualification of Laboratory Procedures and Equipment |  |
| 5205 | Reporting and Investigation of Deviations and Adverse Events |  |
| 5300 | Use of Personal Protective Equipment and Laboratory Safety |  |
| 5301 | Hematopoietic Progenitor Cell/Cellular Therapy Product Transportation |  |
| 5302 | Receiving, Releasing, and Storing Reagents and Supplies |  |
| 5303 | Receipt and Storage of Hematopoietic Progenitor Cell/Cellular Therapy Products |  |
| 5304 | Labeling Hematopoietic Progenitor Cell/Cellular Therapy Products and Samples |  |
| 5305 | Laboratory Maintenance and Monitoring |  |
| 5306 | Release of Hematopoietic Progenitor Cell/Cellular Therapy Product for Distribution |  |
| 5307 | Hematopoietic Progenitor Cell/Cellular Therapy Product Return |  |
| 5308 | Processing Guidelines for ABO Mismatched Hematopoietic Progenitor Cell/Cellular Therapy Product |  |
| 5309 | Storage Device Failure |  |
| 5310 | Laboratory Waste Management |  |
| 5311 | Handling Immune Effector Cells |  |
| 5312 | HemaTrax ISBT 128 Labeling |  |
| 5400 | Cell Counting by Trypan Blue |  |
| 5401 | Cell Viability Testing |  |
| 5402 | Plasma Reduction for Minor ABO Mismatch |  |
| 5403 | Red Blood Cell Reduction by Hetastarch |  |
| 5404 | Red Blood Cell Reduction by Ficoll |  |
| 5405 | Immunophenotyping and Reporting |  |
| 5406 | Donor Lymphocyte Infusion |  |
| 5408 | Cryopreservation of CD34+ Selected Cells |  |
| 5409 | Cryopreservation of Hematopoietic Progenitor Cell, Marrow and Peripheral Blood |  |
| 5410 | Cryopreservation of Hematopoietic Progenitor Cell, Apheresis |  |
| 5411 | Thawing of Hematopoietic Progenitor Cell, Cord Blood |  |
| 5412 | Thawing of Hematopoietic Progenitor Cell and Cellular Therapy Products Stored in Tubes |  |
| 5413 | Bedside Thawing of Cryopreserved Hematopoietic Progenitor Cell/Cellular Therapy Product |  |
| 5414 | Thawing of Cryopreserved Hematopoietic Progenitor Cell, Marrow |  |
| 5415 | Receiving, Thawing, and Infusion of Cytotoxic T-Lymphocytes |  |
| 5416 | CD34+ Cell Selection by CliniMACS |  |
| 5417 | T-Cell Receptor α / β and CD19 Depletion |  |
| 5419 | Preparation of Cryoprotectant |  |
| 5503 | Preparation and Staining of Cells for FACS Sorting |  |
| 5504 | Separation and Cryopreservation of Mononuclear Leukocytes |  |
| 5505 | Preparation and Storage of Plasmas and Serums for BMT Patients and Donors |  |
| 5506 | Separation and Cryopreservaton of Granulocytes |  |
| 5507 | Shipping Short Tandem Repeat Specimens to City of Hope for Engraftment/Chimerism Analysis |  |
| 5508 | Shipping National Marrow Donor Program Repository Samples |  |
| 5509 | Shipping Adenosine Deaminase Deficiency (ADA) Study Samples |  |
| 5510 | Free Campath Level Assay |  |

Employee Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

TCTL Supervisor/Manager Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

| SOP # | Title of Standard Operating Procedure | Initial/Date |
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Employee Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

TCTL Supervisor/Manager Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

TCTLMD: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_