**Reagent Preparation Related SOPs**

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| **SOP#** | **TITLE** | **Date Original** | **Responsible person** |
| P001 | Preparation of 10x Hank’s Balanced Salt Solution | 2/12/99 |  |
| P002 | Preparation of 10x Ammonium Chloride Lysing Reagent | 2/12/99 |  |
| P003 | Preparation of Stock 1.1M Calcium Chloride | 2/12/99 |  |
| P004 | Freezing HL60 Cells | 2/12/99 |  |
| P005 | Operation Procedure for the Coulter Counter Model F/FN- White Blood Cell (WBC) Counts/ Red Blood Cell (RBC) Counts | 2/18/99 |  |
| P006 | Preparation of 20mM DCFH-DA | 2/12/99 |  |
| P007 | Preparation of 2 mM EDTA | 1/12/99 |  |
|   | Preparation of Working Hank’s Balanced Salt Solution (HBSS) with Calcium and Magnesium | 2/15/99 |  |
| P009 | Preparation of Working Hank’s Balanced Salt Solution (HBSS) with Calcium, Magnesium, and **0.1%** Bovine Serum Albumin (BSA) | 2/15/99 |  |
| P010 | Preparation of Working Hank’s Balanced Salt Solution (HBSS) with Calcium, Magnesium, and **1%** Bovine Serum Albumin (BSA) | 2/15/99 |  |
| P011 | Preparation of Working Hank’s Balanced Salt Solution (HBSS) Without Calcium and Magnesium | 2/15/99 |  |
| P012 | Preparation of Working Hank’s Balanced Salt Solution (HBSS) Without Calcium, Magnesium, with **0.1%** Bovine Serum Albumin (BSA) | 2/15/99 |  |
| P013 | Preparation of Working Hank’s Balanced Salt Solution (HBSS) Without Calcium, Magnesium, with **1%** Bovine Serum Albumin (BSA) | 2/15/99 |  |
| P014 | Preparation of 10mM Hydroethidine (HE) | 2/15/99 |  |
| P015 | Heat Inactivation of Bovine Sera | 2/15/99 |  |
| P016 | Preparation of Heparinized Vacutainer Tubes | 2/15/99 |  |
| P017 | Preparation of Ammonium Chloride Lysing Reagent | 2/15/99 |  |
| P018 | Preparation of Stock 0.4M Magnesium Sulfate | 2/15/99 |  |
| P019 | Preparation of 2% Paraformaldehyde (PF) | 2/15/99 |  |
| P020 | Preparation of Phosphate Buffered Saline (PBS) | 2/15/99 |  |
| P021 | Preparation of Bleach-SDS | 2/15/99 |  |
| P022 | Preparation of Working Medium Endothelial RPMI | 2/15/99 |  |
| P023 | Calibration of the Orion Research EA 920 Expandable ionAnalyzer | 2/15/99 |  |
| P024 | Determinaton of pH Using an Orion Research EA 920 Expandable ionAnalyzer | 2/15/99 |  |
| P025 | Preparation of Working Medium RPMI 5/5 | 2/15/99 |  |
| P026 | Preparation of 1% Sodium Dodecyl Sulfate (SDS) | 2/15/99 |  |
| P027 | Preparation of 10mg/ml Colchicine | 2/15/99 |  |
| P028 | Preparation of Stock 1M TRIS | 2/15/99 |  |
| P029 | Preparation of Stock -MEM Medium | 2/15/99 |  |
| P030 | Preparation of Working -MEM Medium | 2/15/99 |  |
| P031 | Dis-assembly of Coulter Counter for Cleaning and Replacing Internal Electrode | 2/18/99 |  |
| P032 | Ficoll-Hypaque: Overlay Method | 2/23/99 |  |
| P033 | Ficoll-Hypaque: Underlay Method | 2/23/99 |  |
| P034 | Ammonium Chloride Lysis of Whole Blood | 2/24/99 |  |
| P035 | Dextran Sedimentation | 2/25/99 |  |
| P036 | Preparation of 3% Dextran | 2/25/99 |  |
| P037 | CO2 /Nitrogen Tank- Replacing/ Re-ordering | 2/26/99 |  |
| P038 | Operation of FYRITE CO2 Analyzer | 4/19/99 |  |
| P039 | Operation of the AMSCO Autoclave | 4/23/99 |  |
| P040 | Emergency Door Operation – AMSCO Autoclave | 2/15/99 |  |
| P041 | Chicken RBC – Sterile Preparation for Flow Cytometric DNA Determination | 4/30/99 |  |
| P042 | Operation Procedure for Coulter Counter-model Z2 | 1/4/01 |  |
| P043 | Operation Procedure for Orion Model 720A plus pH meter | 2/19/01 |  |
| P044 | Preparing Biohazard Wastes for Autoclaving | 6/12/02 |  |
| P045 | Operating the Biohazard Autoclave | 6/12/02 |  |
| P046 | Preparation of Nylon Mesh Filters | 6/12/02 |  |
| P047 | Preparation of Modified Vindelov’s Propidium Iodide Stain | 9/15/03 |  |
| P048 | Operation of PH meter - VWR model 9100 | 5/24/04 |  |
| P049 | Preparation of Grass Carp Fry for DNA Ploidy Screening | 5/24/04 |  |
| P050 | How to Fill Out Bio-Materials Pick-Up Form | 5/24/04 |  |
| P051 | Scanning of Optical Filters with USB 2000 | 7/30/04 |  |
| P052 | Shortlist- Operation of Coulter Counter model Z2 | 9/15/04 |  |
| P053 | Preparation of 0.1M HCl and 0.1 M NaOH Buffering Agent | 8/30/04 |  |
| P054 | Decontaminating CO2 Incubator Using Paraformaldehyde | 9/14/05 |  |
| P055 | Operation of Steam Sterilizer | 1/6/06 |  |
| P056 | Operation of the Scanner | 3/24/06 |  |
| P057 | How to Use ModfitLT Software | 8/29/06 |  |
| P058 | How to Use a Counting Chamber | 6/5/07 |  |
| P059 | Filter Scans | 4/6/08 |  |
| P060 | Coulter Counter Z-Series “HOTPURGE” Procedure | 4/10/08 |  |
| P061 | Cleaning Procedure for FC500 post Acridine Orange | 5/8/08 |  |
| P062 | Pacific Blue Dilutions for HTS | 8/17/09 |  |
| P063 | Point Source Fiber Optics – Laser Alignment | 8/26/09 |  |
| P064 | PBS Gel Concentrate | 1/11/10 |  |
| P065 | Amgen Screening Project – Dye Preparations | 3/1/10 |  |
| P066 | Hypercyte Data Analysis | 2/11/10 |  |
| P067 | Making Agar for Bacteria Growth (Bardot) | 10/22/10 |  |
| P068 | Serial Dilutions for Bacteria (Bardot) | 10/22/10 |  |
| P069 | Bimek/BacBuster Robot Procedure | 4/4/11 |  |
| P070 | CyAn/HyperCyt/Biomek | 4/4/11 |  |
| P071 | Beckman-Coulter Avanti-J-E Centrifuge Instructions for Use | 4/28/11 |  |
| P072 | MoFlow XDP Start-UP Procedures | 08-012011 |  |
| P073 | MoFlow XDP Shut-Down Procedures | 8/2/11 |  |
| P074 | (Ray’s) Drip Plate\_Serial Dilutions for bacteria | 8/25/11 |  |
| P075 | Etest Strips\_Antimicrobial Susceptibility Testing | 8/30/11 |  |
| P076 | Standardizing the XDP for Cervical Cancer Sorting | 1/30/12 |  |
| P077 | Check Laser Delay on CyAn | 3/26/12 |  |
| P078 | Buffers for Cervical Cancer Study | 5/22/12 |  |
| P079 | Cervical Cancer Cells Preparation | 5/29/12 |  |
| P080 | Labeling Antibodies for Cervical Cancer Cells | 5/29/12 |  |
| P081 | Amgen Automations HL60 - Ray |   |  |
| P082 | Amgen Automations HL60 - Larisa |   |  |
| P083 | XDP Total Power Shutdown | 7/25/12 |  |
| P084 | XDP Sort Set-Up | 7/26/12 |  |
| P085 | NZE Agar for Ecoli | 9/19/12 |  |
| P086 | How to Determine MoFlo XDP Laser Delay | 1/17/13 |  |
| P087 | How to Store Bacteria in Glycerol for the -80 Freezer | 2/27/14 |  |
| P088 | Thawing HL60 cells from the Cell Freezer | 4/1/13 |  |
| P089 | Counting Cells using Nexcelom | 4/1/13 |  |
| P090 | Feeding HL60 Cells | 4/1/13 |  |
| P091 | Operation of the Beckman-Coulter MultiZier 4 (Bindley room 25) | 4/5/13 |  |
| P092 | Start-up of the FC500 Gallios | 5/22/13 |  |
| P093 | Shutdown of the FC500 Gallios | 5/22/13 |  |
| P094 | BioMek 2000 – Compound Protocol | 8/2/13 |  |
| P095 | Prepping tubes for testing Redox & JC1 Dyes for the Cyan. |   |  |
| P096 | Setting up the Cyclone on the XDP MoFlo for a Sort |   |  |
| P097 | Calibrating the BioMek 2000 | 9/23/13 |  |
| P098 | Bacteria in Ground Beef | 10/30/13 |  |
| P099 | Nasty Bardot | 2/10/14 |  |
|  P100 | Upgraded XDP Start-up |  09/09/2015 |   |
|  P101 | Upgraded XDP Shutdown |  09/09/2015 |   |
|  P102 | Laser alignment upgraded MoFlo |  09/11/2015 |   |
|  P103 |  Cytoflex Start up |  12/14/2015 |   |
|  P104 |   |   |   |
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