

CCF genetics laboratory wish list

Urgent priorities:

- Temperature sensor/monitoring system with alarm for 10+ freezers (for our sample biobank)
- Qiagen stool extraction kit
- 2 Laptops (minimum Windows8 (64bit if possible), Intel i5 / AMD Ryzen 5, 8GB Ram, 512 GB SSD) /desktops with monitors (for data analysis)
- Programs: GeneMapper server version
- plastic shoe covers and facemasks for sterile sample processing
- Storage boxes (plastic preferred): 9x9 or 10x10 for 2ml screwcap tubes

We are grateful for any of the below items, new or used and in good condition (equipment).

<p><u>Items for the genetic analyzers: ABI310 & 3130</u></p> <ul style="list-style-type: none"> - Laser (310 & 3130), capillary arrays (3130) - 96-well plates (3130), septa - LIZ600 size standard - POP7 (3130) 	<p><u>Sample collection:</u></p> <ul style="list-style-type: none"> - Scalpels - Petri dishes - Coin bags with labelling surface - Paper bags (self-seal or fold; not to lick)
<p><u>Equipment:</u></p> <ul style="list-style-type: none"> - Temperature sensor/monitoring system with alarm for 10+ freezers (crucial!) - 2 Laptops/desktops for data analysis - Real time PCR machine - Table top centrifuge - Nanodrop - Thermo-mixer - Vortex - Analytical scale (to test pipette accuracy) - Pipettes: <ul style="list-style-type: none"> o p2, p20, p200, p1000 variable volume o multi-channel & repeater pipettes - Freezers (constant temperature, -20°C) - Chest freezer storage rack (to stack boxes) - Ultra-low freezer (-80°C) 	<p><u>Disposable plasticware - used daily:</u></p> <ul style="list-style-type: none"> - Plastic shoe covers and facemasks - Tubes: <ul style="list-style-type: none"> o 1.5ml microcentrifuge tubes (snap lid) o 2ml microcentrifuge tubes (snap lid) o 2ml Screwcap tubes with labelling surface o PCR plate: 96-well o PCR tubes in 8-tube strips with separate lid-strips - Tips: any size (filtered/non-filtered; boxed/lose) - Gloves: any size; latex (no powder) or nitrile - Storage boxes (plastic preferred): <ul style="list-style-type: none"> o 9x9 or 10x10 for 2ml screwcap tubes o 6x12 for 2ml screwcap tubes o Any size for vacutainers or cryovials - Tube racks for 2ml tubes - Permanent markers, fine tip & extra-fine tip
<p><u>Laboratory reagents/reaction kits that can remain at room temperature:</u></p> <ul style="list-style-type: none"> - Qiagen stool extraction kit - Any tissue/blood extraction kit - Molecular grade water - Agarose - TAE concentrates - DNA stains like gel red - DNA loading buffer for agarose gel - RNAlater 	<p><u>Reagents in need of refrigeration/freezing:</u></p> <ul style="list-style-type: none"> - Hotstart polymerase (e.g. TaqGold) - Multiplex Master Mix - Sequencing chemistry (e.g. Big dye terminator) - Exo-SAP - Proteinase - Formamide - BSA - DNA ladders - DNA stains (not ethidium bromide)