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WELL-BY-WELL MEASUREMENT CURVES

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Condition: FROZEN (1 MONTH) PBMCS

Replicate 1

Measurement 1: 15.208

Measurement 2: 15.064

Measurement 3: 15.026

Measurement 4: 7.134

Measurement 5: 6.678

Measurement 6: 6.414

Measurement 7: 51.594

Measurement 8: 42.856

Measurement 9: 40.12

Measurement 10: 4.73

Measurement 11: 4.948

Measurement 12: 4.574

Replicate 2

Measurement 1: 14.03

Measurement 2: 14.024

Measurement 3: 14.016

Measurement 4: 6.974

Measurement 5: 6.22

Measurement 6: 6.06

Measurement 7: 46.996

Measurement 8: 39.494

Measurement 9: 36.46

Measurement 10: 4.97

Measurement 11: 4.73

Measurement 12: 4.264

Replicate 3

Measurement 1: 13.622

Measurement 2: 13.992

Measurement 3: 14.09

Measurement 4: 6.516

Measurement 5: 6.048

Measurement 6: 5.844

Measurement 7: 48.01

Measurement 8: 39.242

Measurement 9: 36.802

Measurement 10: 4.982

Measurement 11: 4.73

Measurement 12: 4.532

Replicate 4

Measurement 1: 13.546

Measurement 2: 14.436

Measurement 3: 14.386

Measurement 4: 7.218

Measurement 5: 6.196

Measurement 6: 6.328

Measurement 7: 46.332

Measurement 8: 38.792

Measurement 9: 35.69

Measurement 10: 5.046

Measurement 11: 4.634

Measurement 12: 4.73

Replicate 5

Measurement 1: 15.99

Measurement 2: 16.096

Measurement 3: 16.422

Measurement 4: 6.95

Measurement 5: 5.694

Measurement 6: 5.372

Measurement 7: 48.68

Measurement 8: 40.136

Measurement 9: 36.364

Measurement 10: 4.73

Measurement 11: 4.722

Measurement 12: 4.736

Replicate 6

Measurement 1: 15.0

Measurement 2: 15.844

Measurement 3: 16.214

Measurement 4: 7.43

Measurement 5: 6.682

Measurement 6: 6.074

Measurement 7: 55.286

Measurement 8: 45.416

Measurement 9: 41.458

Measurement 10: 5.208

Measurement 11: 4.73

Measurement 12: 4.622

Replicate 7

Measurement 1: 16.428

Measurement 2: 17.704

Measurement 3: 18.36

Measurement 4: 9.514

Measurement 5: 8.288

Measurement 6: 7.712

Measurement 7: 54.228

Measurement 8: 54.616

Measurement 9: 51.054

Measurement 10: 5.154

Measurement 11: 4.73

Measurement 12: 4.616

Replicate 8

Measurement 1: 14.94

Measurement 2: 15.418

Measurement 3: 15.852

Measurement 4: 6.944

Measurement 5: 6.4

Measurement 6: 6.066

Measurement 7: 55.312

Measurement 8: 44.042

Measurement 9: 41.208

Measurement 10: 4.932

Measurement 11: 4.73

Measurement 12: 4.56

Replicate 9

Measurement 1: 4.73

Measurement 2: 4.73

Measurement 3: 4.73

Measurement 4: 4.73

Measurement 5: 4.73

Measurement 6: 4.73

Measurement 7: 4.73

Measurement 8: 4.73

Measurement 9: 4.73

Measurement 10: 4.73

Measurement 11: 4.73

Measurement 12: 4.73

Replicate 10

Measurement 1: 15.858

Measurement 2: 17.378

Measurement 3: 18.118

Measurement 4: 10.2

Measurement 5: 8.418

Measurement 6: 8.04

Measurement 7: 46.036

Measurement 8: 39.314

Measurement 9: 34.658

Measurement 10: 4.972

Measurement 11: 4.73

Measurement 12: 4.41

Condition: L\_PBMC Frozen 2mo

Replicate 1

Measurement 1: 6.06571428571

Measurement 2: 5.36142857143

Measurement 3: 5.21

Measurement 4: 3.39428571429

Measurement 5: 3.35714285714

Measurement 6: 3.61142857143

Measurement 7: 9.20857142857

Measurement 8: 8.25285714286

Measurement 9: 7.69285714286

Measurement 10: 2.39142857143

Measurement 11: 2.90571428571

Measurement 12: 3.00571428571

Replicate 2

Measurement 1: 7.25428571429

Measurement 2: 6.50142857143

Measurement 3: 6.50857142857

Measurement 4: 4.66285714286

Measurement 5: 4.72142857143

Measurement 6: 4.62

Measurement 7: 9.76714285714

Measurement 8: 8.75

Measurement 9: 7.87714285714

Measurement 10: 2.90571428571

Measurement 11: 3.15285714286

Measurement 12: 2.84714285714

Condition: L\_PBMC Fresh

Replicate 1

Measurement 1: 4.39714285714

Measurement 2: 4.44

Measurement 3: 4.51428571429

Measurement 4: 1.51285714286

Measurement 5: 1.7

Measurement 6: 1.81142857143

Measurement 7: 9.27571428571

Measurement 8: 7.64285714286

Measurement 9: 6.62285714286

Measurement 10: 1.11857142857

Measurement 11: 1.13285714286

Measurement 12: 1.07

Replicate 2

Measurement 1: 4.08428571429

Measurement 2: 4.01714285714

Measurement 3: 4.08428571429

Measurement 4: 2.38285714286

Measurement 5: 2.12142857143

Measurement 6: 2.44714285714

Measurement 7: 11.0171428571

Measurement 8: 9.20714285714

Measurement 9: 8.36857142857

Measurement 10: 1.19285714286

Measurement 11: 1.11857142857

Measurement 12: 1.05142857143

Replicate 3

Measurement 1: 6.55428571429

Measurement 2: 5.95857142857

Measurement 3: 6.16428571429

Measurement 4: 1.91285714286

Measurement 5: 1.79285714286

Measurement 6: 1.9

Measurement 7: 21.7728571429

Measurement 8: 17.4571428571

Measurement 9: 15.8457142857

Measurement 10: 1.02

Measurement 11: 1.20571428571

Measurement 12: 1.11857142857

Replicate 4

Measurement 1: 5.63428571429

Measurement 2: 4.8

Measurement 3: 5.17

Measurement 4: 1.14

Measurement 5: 1.33142857143

Measurement 6: 1.46

Measurement 7: 20.8914285714

Measurement 8: 16.0657142857

Measurement 9: 13.8028571429

Measurement 10: 1.60714285714

Measurement 11: 1.11857142857

Measurement 12: 1.09142857143

Replicate 5

Measurement 1: 5.37142857143

Measurement 2: 5.27571428571

Measurement 3: 5.36571428571

Measurement 4: 1.29

Measurement 5: 1.23714285714

Measurement 6: 1.16

Measurement 7: 15.8857142857

Measurement 8: 12.6785714286

Measurement 9: 11.0685714286

Measurement 10: 1.01571428571

Measurement 11: 1.11857142857

Measurement 12: 1.12

Replicate 6

Measurement 1: 5.92285714286

Measurement 2: 6.16285714286

Measurement 3: 6.38

Measurement 4: 2.46

Measurement 5: 2.70428571429

Measurement 6: 2.75142857143

Measurement 7: 14.89

Measurement 8: 11.4914285714

Measurement 9: 10.1971428571

Measurement 10: 1.29

Measurement 11: 1.11857142857

Measurement 12: 1.10571428571

Replicate 7

Measurement 1: 9.88857142857

Measurement 2: 11.5185714286

Measurement 3: 11.4385714286

Measurement 4: 3.87357142857

Measurement 5: 3.94357142857

Measurement 6: 4.14357142857

Measurement 7: 33.2735714286

Measurement 8: 25.8885714286

Measurement 9: 23.7135714286

Measurement 10: 1.11857142857

Measurement 11: 1.40357142857

Measurement 12: 0.608571428571

Replicate 8

Measurement 1: 6.58857142857

Measurement 2: 10.3835714286

Measurement 3: 9.47357142857

Measurement 4: 3.24857142857

Measurement 5: 2.91857142857

Measurement 6: 4.27357142857

Measurement 7: 20.7985714286

Measurement 8: 16.1435714286

Measurement 9: 14.2685714286

Measurement 10: 1.11857142857

Measurement 11: 1.07357142857

Measurement 12: 1.15857142857

Replicate 9

Measurement 1: 12.1185714286

Measurement 2: 12.9085714286

Measurement 3: 14.3135714286

Measurement 4: 6.64857142857

Measurement 5: 4.17857142857

Measurement 6: 3.22857142857

Measurement 7: 60.9435714286

Measurement 8: 49.8285714286

Measurement 9: 43.4435714286

Measurement 10: 1.46857142857

Measurement 11: 1.11857142857

Measurement 12: -3.57642857143

Replicate 10

Measurement 1: 12.0335714286

Measurement 2: 12.3285714286

Measurement 3: 12.9335714286

Measurement 4: 1.53857142857

Measurement 5: 3.40857142857

Measurement 6: 3.35357142857

Measurement 7: 76.7835714286

Measurement 8: 57.7185714286

Measurement 9: 47.6035714286

Measurement 10: 2.90357142857

Measurement 11: -1.67642857143

Measurement 12: 1.11857142857

Replicate 11

Measurement 1: 3.41928317234

Measurement 2: 4.10077783427

Measurement 3: 4.37657854601

Measurement 4: -0.698154550076

Measurement 5: 0.138144382308

Measurement 6: 0.259140823589

Measurement 7: 32.876578546

Measurement 8: 24.3623436706

Measurement 9: 21.2947280122

Measurement 10: 1.15237925775

Measurement 11: 0.814300965938

Measurement 12: 1.11857142857

Replicate 12

Measurement 1: 4.65059989832

Measurement 2: 5.06519064565

Measurement 3: 5.46198779868

Measurement 4: 0.572308083376

Measurement 5: 1.20576004067

Measurement 6: 1.55451448907

Measurement 7: 32.7893899339

Measurement 8: 25.1648347738

Measurement 9: 21.9868988307

Measurement 10: 1.00469242501

Measurement 11: 1.11857142857

Measurement 12: 1.32497712252

Replicate 13

Measurement 1: 3.00311154599

Measurement 2: 3.19097847358

Measurement 3: 3.76045009785

Measurement 4: 1.26142857143

Measurement 5: 1.36123287671

Measurement 6: 1.84264187867

Measurement 7: 16.7154403131

Measurement 8: 13.3984148728

Measurement 9: 11.8661252446

Measurement 10: 1.11857142857

Measurement 11: 1.15575342466

Measurement 12: 1.0598630137

Replicate 14

Measurement 1: 2.62346379648

Measurement 2: 4.33774951076

Measurement 3: 4.07160469667

Measurement 4: 1.59410958904

Measurement 5: 1.95418786693

Measurement 6: 2.16162426614

Measurement 7: 14.4121135029

Measurement 8: 11.9776712329

Measurement 9: 11.0833463796

Measurement 10: 1.11857142857

Measurement 11: 1.10291585127

Measurement 12: 1.25947162427

Replicate 15

Measurement 1: 3.62571428571

Measurement 2: 3.64

Measurement 3: 3.75714285714

Measurement 4: 0.785714285714

Measurement 5: 0.785714285714

Measurement 6: 0.787142857143

Measurement 7: 13.45

Measurement 8: 10.36

Measurement 9: 8.80428571429

Measurement 10: 0.745714285714

Measurement 11: 1.11857142857

Measurement 12: 1.24428571429

Replicate 16

Measurement 1: 2.60714285714

Measurement 2: 2.92571428571

Measurement 3: 3.18428571429

Measurement 4: 0.0614285714286

Measurement 5: 0.127142857143

Measurement 6: 0.41

Measurement 7: 14.7028571429

Measurement 8: 11.0671428571

Measurement 9: 9.62142857143

Measurement 10: 1.11857142857

Measurement 11: 1.35285714286

Measurement 12: 1.06714285714

Replicate 17

Measurement 1: 4.82857142857

Measurement 2: 4.46714285714

Measurement 3: 5.36142857143

Measurement 4: 2.01857142857

Measurement 5: 2.08857142857

Measurement 6: 2.20285714286

Measurement 7: 13.9142857143

Measurement 8: 11.6657142857

Measurement 9: 9.66571428571

Measurement 10: 1.11857142857

Measurement 11: 1.17857142857

Measurement 12: 0.997142857143

Replicate 18

Measurement 1: 5.03142857143

Measurement 2: 4.97285714286

Measurement 3: 5.19428571429

Measurement 4: 2.49142857143

Measurement 5: 2.09285714286

Measurement 6: 2.05714285714

Measurement 7: 14.4471428571

Measurement 8: 11.0228571429

Measurement 9: 9.69285714286

Measurement 10: 1.04285714286

Measurement 11: 1.11857142857

Measurement 12: 1.36571428571

Replicate 19

Measurement 1: 3.19857142857

Measurement 2: 2.71857142857

Measurement 3: 3.2

Measurement 4: 2.18428571429

Measurement 5: 1.81857142857

Measurement 6: 1.89857142857

Measurement 7: 4.06571428571

Measurement 8: 3.24285714286

Measurement 9: 2.80714285714

Measurement 10: 1.29

Measurement 11: 1.11857142857

Measurement 12: 0.875714285714

Replicate 20

Measurement 1: 4.73

Measurement 2: 5.35

Measurement 3: 5.39714285714

Measurement 4: 3.02428571429

Measurement 5: 3.68857142857

Measurement 6: 3.90714285714

Measurement 7: 17.2514285714

Measurement 8: 13.6357142857

Measurement 9: 11.8642857143

Measurement 10: 1.36857142857

Measurement 11: 1.11857142857

Measurement 12: 0.967142857143

Replicate 21

Measurement 1: 4.82357142857

Measurement 2: 4.97857142857

Measurement 3: 5.36607142857

Measurement 4: 1.12857142857

Measurement 5: 2.22357142857

Measurement 6: 2.65357142857

Measurement 7: 23.7635714286

Measurement 8: 18.6960714286

Measurement 9: 16.0435714286

Measurement 10: 0.766071428571

Measurement 11: 1.25357142857

Measurement 12: 1.11857142857

Replicate 22

Measurement 1: 6.52607142857

Measurement 2: 7.06857142857

Measurement 3: 7.79607142857

Measurement 4: 2.08357142857

Measurement 5: 2.64107142857

Measurement 6: 3.13607142857

Measurement 7: 31.2110714286

Measurement 8: 24.4310714286

Measurement 9: 21.6185714286

Measurement 10: 1.21857142857

Measurement 11: 1.04857142857

Measurement 12: 1.11857142857

Replicate 23

Measurement 1: 4.11107142857

Measurement 2: 4.55357142857

Measurement 3: 4.72857142857

Measurement 4: 4.79107142857

Measurement 5: 4.69107142857

Measurement 6: 4.45107142857

Measurement 7: 32.6135714286

Measurement 8: 26.0010714286

Measurement 9: 21.8835714286

Measurement 10: 0.918571428571

Measurement 11: 1.33607142857

Measurement 12: 1.11857142857

Condition: 7 700K

Replicate 1

Measurement 1: 6.52142857143

Measurement 2: 5.98

Measurement 3: 5.90857142857

Measurement 4: 4.04857142857

Measurement 5: 4.03857142857

Measurement 6: 3.77857142857

Measurement 7: 9.36714285714

Measurement 8: 8.48857142857

Measurement 9: 7.60285714286

Measurement 10: 1.28428571429

Measurement 11: 1.16285714286

Measurement 12: 1.18714285714

Replicate 2

Measurement 1: 5.51138528139

Measurement 2: 5.19017316017

Measurement 3: 5.09471861472

Measurement 4: 3.37653679654

Measurement 5: 3.26896103896

Measurement 6: 2.82199134199

Measurement 7: 8.37199134199

Measurement 8: 7.72502164502

Measurement 9: 6.92956709957

Measurement 10: 1.42502164502

Measurement 11: 1.18714285714

Measurement 12: 1.14926406926

Condition: 7A

Replicate 1

Measurement 1: 2.07142857143

Measurement 2: 2.24571428571

Measurement 3: 2.23571428571

Measurement 4: 1.72857142857

Measurement 5: 1.91714285714

Measurement 6: 2.19285714286

Measurement 7: 3.70714285714

Measurement 8: 3.78285714286

Measurement 9: 3.98857142857

Measurement 10: 0.961428571429

Measurement 11: 0.884285714286

Measurement 12: 0.858571428571

Condition: L\_T Frozen 3wk

Replicate 1

Measurement 1: 3.66714285714

Measurement 2: 3.74285714286

Measurement 3: 3.71

Measurement 4: 2.02857142857

Measurement 5: 2.24285714286

Measurement 6: 2.38428571429

Measurement 7: 15.9985714286

Measurement 8: 12.21

Measurement 9: 10.4

Measurement 10: 2.12428571429

Measurement 11: 2.18428571429

Measurement 12: 2.19142857143

Replicate 2

Measurement 1: 3.45857142857

Measurement 2: 3.28

Measurement 3: 3.46714285714

Measurement 4: 2.14

Measurement 5: 2.18

Measurement 6: 2.32428571429

Measurement 7: 17.2942857143

Measurement 8: 12.0942857143

Measurement 9: 10.2028571429

Measurement 10: 1.88285714286

Measurement 11: 2.18428571429

Measurement 12: 2.43285714286

Replicate 3

Measurement 1: 5.38428571429

Measurement 2: 4.99

Measurement 3: 5.43142857143

Measurement 4: 3.70714285714

Measurement 5: 3.79571428571

Measurement 6: 3.72571428571

Measurement 7: 16.4085714286

Measurement 8: 12.4171428571

Measurement 9: 10.58

Measurement 10: 2.18428571429

Measurement 11: 2.42857142857

Measurement 12: 1.85857142857

Condition: 9 700K

Replicate 1

Measurement 1: 2.17920353982

Measurement 2: 2.86946902655

Measurement 3: 3.94690265487

Measurement 4: 1.14380530973

Measurement 5: 1.73008849558

Measurement 6: 1.80530973451

Measurement 7: 18.0309734513

Measurement 8: 12.6526548673

Measurement 9: 10.657079646

Measurement 10: 0.0619469026549

Measurement 11: 0.170353982301

Measurement 12: 0.933628318584

Replicate 2

Measurement 1: 2.42202064897

Measurement 2: 2.8453539823

Measurement 3: 3.11202064897

Measurement 4: 1.0953539823

Measurement 5: 1.53368731563

Measurement 6: 1.50202064897

Measurement 7: 17.0803539823

Measurement 8: 12.0736873156

Measurement 9: 10.4886873156

Measurement 10: 0.220353982301

Measurement 11: 0.0153539823009

Measurement 12: 0.170353982301

Replicate 3

Measurement 1: 1.38368731563

Measurement 2: 1.6103539823

Measurement 3: 1.93702064897

Measurement 4: 0.762020648968

Measurement 5: 1.38368731563

Measurement 6: 1.81368731563

Measurement 7: 21.3303539823

Measurement 8: 15.042020649

Measurement 9: 12.8836873156

Measurement 10: 0.170353982301

Measurement 11: 0.0470206489676

Measurement 12: 0.250353982301

Condition: L\_T Frozen 1da

Replicate 1

Measurement 1: 5.715855573

Measurement 2: 5.87284144427

Measurement 3: 6.03296703297

Measurement 4: 3.08320251177

Measurement 5: 3.15541601256

Measurement 6: 3.23233908948

Measurement 7: 17.8383045526

Measurement 8: 13.5149136578

Measurement 9: 11.7456828885

Measurement 10: 2.36891679749

Measurement 11: 2.83830455259

Measurement 12: 2.69858712716

Replicate 2

Measurement 1: 6.12087912088

Measurement 2: 6.99372056515

Measurement 3: 7.35478806907

Measurement 4: 5.28257456829

Measurement 5: 5.45368916797

Measurement 6: 5.56200941915

Measurement 7: 16.3045525903

Measurement 8: 13.4819466248

Measurement 9: 12.4740973312

Measurement 10: 2.69858712716

Measurement 11: 2.89167974882

Measurement 12: 2.57770800628

Replicate 3

Measurement 1: 6.17658712716

Measurement 2: 6.42458712716

Measurement 3: 6.84058712716

Measurement 4: 3.81058712716

Measurement 5: 3.98858712716

Measurement 6: 3.91058712716

Measurement 7: 24.8085871272

Measurement 8: 18.7065871272

Measurement 9: 16.2365871272

Measurement 10: 2.21258712716

Measurement 11: 2.69858712716

Measurement 12: 2.74258712716

Replicate 4

Measurement 1: 11.5852537938

Measurement 2: 11.3252537938

Measurement 3: 10.3685871272

Measurement 4: 5.06525379383

Measurement 5: 5.71192046049

Measurement 6: 5.80525379383

Measurement 7: 34.5519204605

Measurement 8: 26.5985871272

Measurement 9: 21.7552537938

Measurement 10: 2.69858712716

Measurement 11: 2.85192046049

Measurement 12: 2.44525379383

Replicate 5

Measurement 1: 9.82525379383

Measurement 2: 9.89858712716

Measurement 3: 10.3352537938

Measurement 4: 6.02192046049

Measurement 5: 6.80858712716

Measurement 6: 7.39525379383

Measurement 7: 46.1385871272

Measurement 8: 35.7452537938

Measurement 9: 30.5952537938

Measurement 10: 2.69858712716

Measurement 11: 2.68192046049

Measurement 12: 2.92192046049

Replicate 6

Measurement 1: 4.49858712716

Measurement 2: 3.80430141287

Measurement 3: 4.06430141287

Measurement 4: 2.89001569859

Measurement 5: 3.09287284144

Measurement 6: 2.99144427002

Measurement 7: 9.47001569859

Measurement 8: 7.77430141287

Measurement 9: 7.19715855573

Measurement 10: 2.46858712716

Measurement 11: 2.79001569859

Measurement 12: 2.69858712716

Replicate 7

Measurement 1: 4.27715855573

Measurement 2: 3.86144427002

Measurement 3: 4.11001569859

Measurement 4: 3.00144427002

Measurement 5: 3.07287284144

Measurement 6: 3.15430141287

Measurement 7: 8.62001569859

Measurement 8: 7.17287284144

Measurement 9: 6.61430141287

Measurement 10: 2.61001569859

Measurement 11: 2.87001569859

Measurement 12: 2.69858712716

Replicate 8

Measurement 1: 4.80144427002

Measurement 2: 4.35001569859

Measurement 3: 4.63001569859

Measurement 4: 3.63715855573

Measurement 5: 3.84430141287

Measurement 6: 3.73287284144

Measurement 7: 9.0457299843

Measurement 8: 7.36715855573

Measurement 9: 6.54287284144

Measurement 10: 2.5357299843

Measurement 11: 2.73430141287

Measurement 12: 2.69858712716

Replicate 9

Measurement 1: 5.35358712716

Measurement 2: 5.34858712716

Measurement 3: 5.55858712716

Measurement 4: 3.85108712716

Measurement 5: 3.71858712716

Measurement 6: 3.72608712716

Measurement 7: 16.0235871272

Measurement 8: 12.4510871272

Measurement 9: 10.6560871272

Measurement 10: 2.66858712716

Measurement 11: 2.98858712716

Measurement 12: 2.69858712716

Replicate 10

Measurement 1: 1.54192046049

Measurement 2: 1.87858712716

Measurement 3: 1.74858712716

Measurement 4: 5.00192046049

Measurement 5: 4.77192046049

Measurement 6: 4.48525379383

Measurement 7: 17.1552537938

Measurement 8: 13.4785871272

Measurement 9: 12.2519204605

Measurement 10: 2.96858712716

Measurement 11: 2.69858712716

Measurement 12: 1.40525379383

Condition: L\_PBMC Frozen 1da

Replicate 1

Measurement 1: 5.052

Measurement 2: 5.806

Measurement 3: 6.354

Measurement 4: 4.7

Measurement 5: 5.306

Measurement 6: 5.856

Measurement 7: 23.754

Measurement 8: 18.558

Measurement 9: 16.516

Measurement 10: 6.15

Measurement 11: 3.864

Measurement 12: 3.97

Replicate 2

Measurement 1: 7.82

Measurement 2: 9.804

Measurement 3: 10.728

Measurement 4: 7.856

Measurement 5: 8.182

Measurement 6: 8.334

Measurement 7: 17.378

Measurement 8: 17.712

Measurement 9: 16.254

Measurement 10: 3.884

Measurement 11: 4.16

Measurement 12: 3.97

Replicate 3

Measurement 1: 9.5825

Measurement 2: 9.8725

Measurement 3: 10.24

Measurement 4: 5.6625

Measurement 5: 5.98

Measurement 6: 6.2325

Measurement 7: 35.1675

Measurement 8: 28.61

Measurement 9: 25.68

Measurement 10: 4.0375

Measurement 11: 3.97

Measurement 12: 3.87

Replicate 4

Measurement 1: 10.4275

Measurement 2: 10.9825

Measurement 3: 10.6975

Measurement 4: 5.6975

Measurement 5: 5.795

Measurement 6: 5.6

Measurement 7: 38.73

Measurement 8: 31.5825

Measurement 9: 28.665

Measurement 10: 4.755

Measurement 11: 3.8475

Measurement 12: 3.97

Condition: 12:00 AM

Replicate 1

Measurement 1: 0.926666666667

Measurement 2: 1.53333333333

Measurement 3: 1.81333333333

Measurement 4: 0.59

Measurement 5: 1.70666666667

Measurement 6: 1.7

Measurement 7: 9.73333333333

Measurement 8: 8.66666666667

Measurement 9: 7.95

Measurement 10: 2.51

Measurement 11: 2.98

Measurement 12: 3.39

##########

WELL-BY-WELL RESPIRATION CALCULATIONS

##########

Condition: FROZEN (1 MONTH) PBMCS

Replicate 1

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 10.315

OCR:ECAR = 3.76655295402

Proton Leak = 6.678

ATP Production = 3.637

Maximal Respiration = 46.864

OCR:ECAR = 3.80879964565

Spare Respiratory Capacity = 36.549

Replicate 2

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 9.29

OCR:ECAR = 3.01839125304

Proton Leak = 6.22

ATP Production = 3.07

Maximal Respiration = 42.266

OCR:ECAR = 3.89010989011

Spare Respiratory Capacity = 32.976

Replicate 3

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 9.311

OCR:ECAR = 3.13583068983

Proton Leak = 6.048

ATP Production = 3.263

Maximal Respiration = 43.28

OCR:ECAR = 3.83215750615

Spare Respiratory Capacity = 33.969

Replicate 4

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 9.681

OCR:ECAR = 2.89370150745

Proton Leak = 6.328

ATP Production = 3.353

Maximal Respiration = 41.602

OCR:ECAR = 3.59721332479

Spare Respiratory Capacity = 31.921

Replicate 5

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 11.529

OCR:ECAR = 2.77965827504

Proton Leak = 5.694

ATP Production = 5.835

Maximal Respiration = 43.95

OCR:ECAR = 3.80540540541

Spare Respiratory Capacity = 32.421

Replicate 6

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 11.299

OCR:ECAR = 2.47330515472

Proton Leak = 6.682

ATP Production = 4.617

Maximal Respiration = 50.556

OCR:ECAR = 3.52210415847

Spare Respiratory Capacity = 39.257

Replicate 7

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 13.302

OCR:ECAR = 3.43414745744

Proton Leak = 8.288

ATP Production = 5.014

Maximal Respiration = 49.886

OCR:ECAR = 3.36009314867

Spare Respiratory Capacity = 36.584

Replicate 8

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 10.905

OCR:ECAR = 2.78328577762

Proton Leak = 6.4

ATP Production = 4.505

Maximal Respiration = 50.582

OCR:ECAR = 3.70966869506

Spare Respiratory Capacity = 39.677

Replicate 9

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 0.0

OCR:ECAR = 0.0

Proton Leak = 4.73

ATP Production = -4.73

Maximal Respiration = 0.0

OCR:ECAR = 0

OCR:ECAR = 0

OCR:ECAR = 0

Spare Respiratory Capacity = 0.0

Replicate 10

Non-Mitochondrial Respiraion = 4.73

Basal Respiration = 13.018

OCR:ECAR = 2.69817488458

Proton Leak = 8.418

ATP Production = 4.6

Maximal Respiration = 41.306

OCR:ECAR = 3.12603878116

Spare Respiratory Capacity = 28.288

Condition: L\_PBMC Frozen 2mo

Replicate 1

Non-Mitochondrial Respiraion = 2.90571428571

Basal Respiration = 2.38

OCR:ECAR = 1.24009816262

Proton Leak = 3.39428571429

ATP Production = -1.01428571429

Maximal Respiration = 6.30285714286

OCR:ECAR = 1.55888754534

Spare Respiratory Capacity = 3.92285714286

Replicate 2

Non-Mitochondrial Respiraion = 2.90571428571

Basal Respiration = 3.59928571429

OCR:ECAR = 1.10914341891

Proton Leak = 4.66285714286

ATP Production = -1.06357142857

Maximal Respiration = 6.86142857143

OCR:ECAR = 1.29226999332

Spare Respiratory Capacity = 3.26214285714

Condition: L\_PBMC Fresh

Replicate 1

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 3.35857142857

OCR:ECAR = 2.29732491056

Proton Leak = 1.7

ATP Production = 1.65857142857

Maximal Respiration = 8.15714285714

OCR:ECAR = 2.0658606427

Spare Respiratory Capacity = 4.79857142857

Replicate 2

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 2.93214285714

OCR:ECAR = 2.58933121479

Proton Leak = 2.38285714286

ATP Production = 0.549285714286

Maximal Respiration = 9.89857142857

OCR:ECAR = 2.75356273896

Spare Respiratory Capacity = 6.96642857143

Replicate 3

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 4.94285714286

OCR:ECAR = 4.13010724511

Proton Leak = 1.9

ATP Production = 3.04285714286

Maximal Respiration = 20.6542857143

OCR:ECAR = 3.05365853659

Spare Respiratory Capacity = 15.7114285714

Replicate 4

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 3.86642857143

OCR:ECAR = 3.25447523166

Proton Leak = 1.33142857143

ATP Production = 2.535

Maximal Respiration = 19.7728571429

OCR:ECAR = 3.20457433291

Spare Respiratory Capacity = 15.9064285714

Replicate 5

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 4.20214285714

OCR:ECAR = 3.07305197911

Proton Leak = 1.23714285714

ATP Production = 2.965

Maximal Respiration = 14.7671428571

OCR:ECAR = 2.51026332158

Spare Respiratory Capacity = 10.565

Replicate 6

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 5.15285714286

OCR:ECAR = 2.76967147031

Proton Leak = 2.70428571429

ATP Production = 2.44857142857

Maximal Respiration = 13.7714285714

OCR:ECAR = 2.57411322528

Spare Respiratory Capacity = 8.61857142857

Replicate 7

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 10.36

OCR:ECAR = 2.77348686638

Proton Leak = 3.94357142857

ATP Production = 6.41642857143

Maximal Respiration = 32.155

OCR:ECAR = 2.48403908795

Spare Respiratory Capacity = 21.795

Replicate 8

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 8.81

OCR:ECAR = 2.09293133112

Proton Leak = 3.24857142857

ATP Production = 5.56142857143

Maximal Respiration = 19.68

OCR:ECAR = 1.86026686434

Spare Respiratory Capacity = 10.87

Replicate 9

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 12.4925

OCR:ECAR = 3.51956635692

Proton Leak = 4.17857142857

ATP Production = 8.31392857143

Maximal Respiration = 59.825

OCR:ECAR = 2.38234323432

Spare Respiratory Capacity = 47.3325

Replicate 10

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 11.5125

OCR:ECAR = 3.07422884925

Proton Leak = 3.35357142857

ATP Production = 8.15892857143

Maximal Respiration = 75.665

OCR:ECAR = 2.99441429939

Spare Respiratory Capacity = 64.1525

Replicate 11

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 3.12010676157

OCR:ECAR = 3.54062418262

Proton Leak = 0.138144382308

ATP Production = 2.98196237926

Maximal Respiration = 31.7580071174

OCR:ECAR = 3.81187030592

Spare Respiratory Capacity = 28.6379003559

Replicate 12

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 4.14501779359

OCR:ECAR = 3.76586952688

Proton Leak = 1.20576004067

ATP Production = 2.93925775292

Maximal Respiration = 31.6708185053

OCR:ECAR = 3.633817986

Spare Respiratory Capacity = 27.5258007117

Replicate 13

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 2.35714285714

OCR:ECAR = 1.59230511091

Proton Leak = 1.36123287671

ATP Production = 0.995909980431

Maximal Respiration = 15.5968688845

OCR:ECAR = 2.61990261716

Spare Respiratory Capacity = 13.2397260274

Replicate 14

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 3.08610567515

OCR:ECAR = 1.94868141059

Proton Leak = 1.95418786693

ATP Production = 1.13191780822

Maximal Respiration = 13.2935420744

OCR:ECAR = 2.46609611587

Spare Respiratory Capacity = 10.2074363992

Replicate 15

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 2.58

OCR:ECAR = 3.13928582751

Proton Leak = 0.785714285714

ATP Production = 1.79428571429

Maximal Respiration = 12.3314285714

OCR:ECAR = 2.8466045273

Spare Respiratory Capacity = 9.75142857143

Replicate 16

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 1.93642857143

OCR:ECAR = 2.36504302106

Proton Leak = 0.127142857143

ATP Production = 1.80928571429

Maximal Respiration = 13.5842857143

OCR:ECAR = 2.6956626506

Spare Respiratory Capacity = 11.6478571429

Replicate 17

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 3.79571428571

OCR:ECAR = 2.9723861177

Proton Leak = 2.08857142857

ATP Production = 1.70714285714

Maximal Respiration = 12.7957142857

OCR:ECAR = 2.66010638298

Spare Respiratory Capacity = 9.0

Replicate 18

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 3.965

OCR:ECAR = 2.72549740429

Proton Leak = 2.09285714286

ATP Production = 1.87214285714

Maximal Respiration = 13.3285714286

OCR:ECAR = 2.7777173913

Spare Respiratory Capacity = 9.36357142857

Replicate 19

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 1.84071428571

OCR:ECAR = 1.11554868393

Proton Leak = 1.89857142857

ATP Production = -0.0578571428571

Maximal Respiration = 2.94714285714

OCR:ECAR = 0.951219512195

Spare Respiratory Capacity = 1.10642857143

Replicate 20

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 4.255

OCR:ECAR = 2.6002792587

Proton Leak = 3.68857142857

ATP Production = 0.566428571429

Maximal Respiration = 16.1328571429

OCR:ECAR = 2.88278931751

Spare Respiratory Capacity = 11.8778571429

Replicate 21

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 4.05375

OCR:ECAR = 2.34951145338

Proton Leak = 2.22357142857

ATP Production = 1.83017857143

Maximal Respiration = 22.645

OCR:ECAR = 2.59298414224

Spare Respiratory Capacity = 18.59125

Replicate 22

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 6.31375

OCR:ECAR = 2.71149535265

Proton Leak = 2.64107142857

ATP Production = 3.67267857143

Maximal Respiration = 30.0925

OCR:ECAR = 2.98020032611

Spare Respiratory Capacity = 23.77875

Replicate 23

Non-Mitochondrial Respiraion = 1.11857142857

Basal Respiration = 3.5225

OCR:ECAR = 3.05750258075

Proton Leak = 4.69107142857

ATP Production = -1.16857142857

Maximal Respiration = 31.495

OCR:ECAR = 3.17510319357

Spare Respiratory Capacity = 27.9725

Condition: 7 700K

Replicate 1

Non-Mitochondrial Respiraion = 1.18714285714

Basal Respiration = 4.75714285714

OCR:ECAR = 1.12855089812

Proton Leak = 4.03857142857

ATP Production = 0.718571428571

Maximal Respiration = 8.18

OCR:ECAR = 1.45227021041

Spare Respiratory Capacity = 3.42285714286

Replicate 2

Non-Mitochondrial Respiraion = 1.18714285714

Basal Respiration = 3.9553030303

OCR:ECAR = 1.28930395257

Proton Leak = 3.26896103896

ATP Production = 0.686341991342

Maximal Respiration = 7.18484848485

OCR:ECAR = 1.62263641275

Spare Respiratory Capacity = 3.22954545455

Condition: 7A

Replicate 1

Non-Mitochondrial Respiraion = 0.884285714286

Basal Respiration = 1.35642857143

OCR:ECAR = 1.82066460787

Proton Leak = 1.91714285714

ATP Production = -0.560714285714

Maximal Respiration = 3.10428571429

OCR:ECAR = 1.9886039886

Spare Respiratory Capacity = 1.74785714286

Condition: L\_T Frozen 3wk

Replicate 1

Non-Mitochondrial Respiraion = 2.18428571429

Basal Respiration = 1.54214285714

OCR:ECAR = 4.62906423473

Proton Leak = 2.24285714286

ATP Production = -0.700714285714

Maximal Respiration = 13.8142857143

OCR:ECAR = 4.90753724803

Spare Respiratory Capacity = 12.2721428571

Replicate 2

Non-Mitochondrial Respiraion = 2.18428571429

Basal Respiration = 1.18928571429

OCR:ECAR = 2.85085783747

Proton Leak = 2.18

ATP Production = -0.990714285714

Maximal Respiration = 15.11

OCR:ECAR = 5.03409581355

Spare Respiratory Capacity = 13.9207142857

Replicate 3

Non-Mitochondrial Respiraion = 2.18428571429

Basal Respiration = 3.02642857143

OCR:ECAR = 3.2085212015

Proton Leak = 3.72571428571

ATP Production = -0.699285714286

Maximal Respiration = 14.2242857143

OCR:ECAR = 4.65619469027

Spare Respiratory Capacity = 11.1978571429

Condition: 9 700K

Replicate 1

Non-Mitochondrial Respiraion = 0.170353982301

Basal Respiration = 3.23783185841

OCR:ECAR = 2.00951844034

Proton Leak = 1.73008849558

ATP Production = 1.50774336283

Maximal Respiration = 17.860619469

OCR:ECAR = 3.60938883968

Spare Respiratory Capacity = 14.6227876106

Replicate 2

Non-Mitochondrial Respiraion = 0.170353982301

Basal Respiration = 2.80833333333

OCR:ECAR = 4.54329999526

Proton Leak = 1.50202064897

ATP Production = 1.30631268437

Maximal Respiration = 16.91

OCR:ECAR = 5.28367444074

Spare Respiratory Capacity = 14.1016666667

Replicate 3

Non-Mitochondrial Respiraion = 0.170353982301

Basal Respiration = 1.60333333333

OCR:ECAR = 2.77475440426

Proton Leak = 1.38368731563

ATP Production = 0.219646017699

Maximal Respiration = 21.16

OCR:ECAR = 5.16236722307

Spare Respiratory Capacity = 19.5566666667

Condition: L\_T Frozen 1da

Replicate 1

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 3.25431711146

OCR:ECAR = 3.95524924964

Proton Leak = 3.15541601256

ATP Production = 0.0989010989011

Maximal Respiration = 15.1397174254

OCR:ECAR = 4.53793929712

Spare Respiratory Capacity = 11.885400314

Replicate 2

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 4.47566718995

OCR:ECAR = 3.17593221618

Proton Leak = 5.45368916797

ATP Production = -0.978021978022

Maximal Respiration = 13.6059654631

OCR:ECAR = 3.50112191473

Spare Respiratory Capacity = 9.13029827316

Replicate 3

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 3.934

OCR:ECAR = 1.9556769261

Proton Leak = 3.91058712716

ATP Production = 0.0234128728414

Maximal Respiration = 22.11

OCR:ECAR = 3.79217765993

Spare Respiratory Capacity = 18.176

Replicate 4

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 8.14833333333

OCR:ECAR = 2.80733830041

Proton Leak = 5.71192046049

ATP Production = 2.43641287284

Maximal Respiration = 31.8533333333

OCR:ECAR = 3.42256214149

Spare Respiratory Capacity = 23.705

Replicate 5

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 7.41833333333

OCR:ECAR = 2.82873721545

Proton Leak = 6.80858712716

ATP Production = 0.609746206175

Maximal Respiration = 43.44

OCR:ECAR = 4.51642276423

Spare Respiratory Capacity = 36.0216666667

Replicate 6

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 1.23571428571

OCR:ECAR = 4.48097291653

Proton Leak = 2.99144427002

ATP Production = -1.7557299843

Maximal Respiration = 6.77142857143

OCR:ECAR = 3.96288365453

Spare Respiratory Capacity = 5.53571428571

Replicate 7

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 1.28714285714

OCR:ECAR = 2.94512612739

Proton Leak = 3.07287284144

ATP Production = -1.7857299843

Maximal Respiration = 5.92142857143

OCR:ECAR = 3.48773234201

Spare Respiratory Capacity = 4.63428571429

Replicate 8

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 1.79142857143

OCR:ECAR = 4.21058987741

Proton Leak = 3.73287284144

ATP Production = -1.94144427002

Maximal Respiration = 6.34714285714

OCR:ECAR = 4.88634097707

Spare Respiratory Capacity = 4.55571428571

Replicate 9

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = 2.755

OCR:ECAR = 1.39178111608

Proton Leak = 3.72608712716

ATP Production = -0.971087127159

Maximal Respiration = 13.325

OCR:ECAR = 2.89021092482

Spare Respiratory Capacity = 10.57

Replicate 10

Non-Mitochondrial Respiraion = 2.69858712716

Basal Respiration = -0.885

OCR:ECAR = 2.13227986022

Proton Leak = 4.77192046049

ATP Production = -5.65692046049

Maximal Respiration = 14.4566666667

OCR:ECAR = 3.60944976077

Spare Respiratory Capacity = 15.3416666667

Condition: L\_PBMC Frozen 1da

Replicate 1

Non-Mitochondrial Respiraion = 3.97

Basal Respiration = 2.11

OCR:ECAR = 1.54382624958

Proton Leak = 5.306

ATP Production = -3.196

Maximal Respiration = 19.784

OCR:ECAR = 2.78999295278

Spare Respiratory Capacity = 17.674

Replicate 2

Non-Mitochondrial Respiraion = 3.97

Basal Respiration = 6.296

OCR:ECAR = 1.41334544197

Proton Leak = 8.182

ATP Production = -1.886

Maximal Respiration = 13.742

OCR:ECAR = 1.50924143242

Spare Respiratory Capacity = 7.446

Replicate 3

Non-Mitochondrial Respiraion = 3.97

Basal Respiration = 6.08625

OCR:ECAR = 2.22869966507

Proton Leak = 5.98

ATP Production = 0.10625

Maximal Respiration = 31.1975

OCR:ECAR = 2.98127824403

Spare Respiratory Capacity = 25.11125

Replicate 4

Non-Mitochondrial Respiraion = 3.97

Basal Respiration = 6.87

OCR:ECAR = 2.19448180549

Proton Leak = 5.6975

ATP Production = 1.1725

Maximal Respiration = 34.76

OCR:ECAR = 3.3023652248

Spare Respiratory Capacity = 27.89

Condition: 12:00 AM

Replicate 1

Non-Mitochondrial Respiraion = 2.98

Basal Respiration = -1.30666666667

OCR:ECAR = 1.27145704745

Proton Leak = 1.7

ATP Production = -3.00666666667

Maximal Respiration = 6.75333333333

OCR:ECAR = 3.10969116081

Spare Respiratory Capacity = 8.06