Application text

Motivation for job

Motivation for teaching

Project description in vedleg

Cell Line PC3\_PIP Model : LM Region : Membrane

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Minimizer is Minuit2 / Migrad

Chi2 = 0.392561

NDf = 5

Edm = 2.5277e-08

NCalls = 43

p0 = 0.0112418 +/- 0.00131027 (limited)

p1 = 0 (fixed)

Chi squared: 0.392561

Deg Freedom: 5

Reduced Chi squared: 0.0785122

For 100kBq 99p cell death at hit number 278

For 150kBq 99p cell death at hit number 361

Cell Line PC3\_PIP Model : LM Region : Cytoplasm

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Minimizer is Minuit2 / Migrad

Chi2 = 0.419781

NDf = 5

Edm = 3.41076e-07

NCalls = 33

p0 = 0.577765 +/- 0.0665706 (limited)

p1 = 0 (fixed)

Chi squared: 0.419781

Deg Freedom: 5

Reduced Chi squared: 0.0839562

For 75kBq 99p cell death at hit number 193

For 100kBq 99p cell death at hit number 201

For 150kBq 99p cell death at hit number 197

Cell Line PC3\_PIP Model : LM Region : Nucleus

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Minimizer is Minuit2 / Migrad

Chi2 = 0.457458

NDf = 5

Edm = 3.33173e-07

NCalls = 19

p0 = 1.2238 +/- 0.203695 (limited)

p1 = 0 (fixed)

Chi squared: 0.457458

Deg Freedom: 5

Reduced Chi squared: 0.0914916

Activity : 10 Num : 1 Percent Killed : 46.9977

Activity : 10 Num : 2 Percent Killed : 71.161

Activity : 10 Num : 3 Percent Killed : 83.8431

Activity : 25 Num : 1 Percent Killed : 49.0359

Activity : 25 Num : 2 Percent Killed : 72.6322

Activity : 25 Num : 3 Percent Killed : 85.6518

For 25kBq 99p cell death at hit number 9

Activity : 50 Num : 1 Percent Killed : 50.3024

Activity : 50 Num : 2 Percent Killed : 74.5862

Activity : 50 Num : 3 Percent Killed : 85.4925

For 50kBq 99p cell death at hit number 9

Activity : 75 Num : 1 Percent Killed : 57.4425

Activity : 75 Num : 2 Percent Killed : 76.309

Activity : 75 Num : 3 Percent Killed : 85.7588

For 75kBq 99p cell death at hit number 9

Activity : 100 Num : 2 Percent Killed : 71.9043

Activity : 100 Num : 3 Percent Killed : 87.519

For 100kBq 99p cell death at hit number 9

Activity : 150 Num : 1 Percent Killed : 41.2778

Activity : 150 Num : 2 Percent Killed : 56.2231

Activity : 150 Num : 3 Percent Killed : 85.7136

For 150kBq 99p cell death at hit number 8

Cell Line PC3\_PIP Model : LM Region : TotalCell

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Minimizer is Minuit2 / Migrad

Chi2 = 0.41849

NDf = 5

Edm = 4.14455e-08

NCalls = 41

p0 = 0.543963 +/- 0.0626079 (limited)

p1 = 0 (fixed)

Chi squared: 0.41849

Deg Freedom: 5

Reduced Chi squared: 0.0836979

For 100kBq 99p cell death at hit number 343

For 150kBq 99p cell death at hit number 361

Cell Line PC3\_Flu Model : LM Region : Membrane

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Minimizer is Minuit2 / Migrad

Chi2 = 5.57919

NDf = 5

Edm = 2.81643e-07

NCalls = 20

p0 = 3.44803 +/- 0.945386 (limited)

p1 = 0 (fixed)

Chi squared: 5.57919

Deg Freedom: 5

Reduced Chi squared: 1.11584

Activity : 10 Num : 1 Percent Killed : 16.5096

Activity : 10 Num : 2 Percent Killed : 30.5614

Activity : 10 Num : 3 Percent Killed : 14.3723

Activity : 25 Num : 1 Percent Killed : 17.6857

Activity : 25 Num : 2 Percent Killed : 27.9477

Activity : 25 Num : 3 Percent Killed : 46.0982

Activity : 50 Num : 1 Percent Killed : 18.9744

Activity : 50 Num : 2 Percent Killed : 31.1437

Activity : 50 Num : 3 Percent Killed : 42.3971

Activity : 75 Num : 1 Percent Killed : 19.4734

Activity : 75 Num : 2 Percent Killed : 32.7022

Activity : 75 Num : 3 Percent Killed : 42.1707

Activity : 100 Num : 1 Percent Killed : 20.1495

Activity : 100 Num : 2 Percent Killed : 31.971

Activity : 100 Num : 3 Percent Killed : 44.1288

Activity : 150 Num : 1 Percent Killed : 21.0738

Activity : 150 Num : 2 Percent Killed : 33.519

Activity : 150 Num : 3 Percent Killed : 45.0235

Cell Line PC3\_Flu Model : LM Region : Cytoplasm

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Minimizer is Minuit2 / Migrad

Chi2 = 5.53094

NDf = 5

Edm = 9.79628e-10

NCalls = 20

p0 = 3.12495 +/- 0.797934 (limited)

p1 = 0 (fixed)

Chi squared: 5.53094

Deg Freedom: 5

Reduced Chi squared: 1.10619

Activity : 10 Num : 1 Percent Killed : 16.5474

Activity : 10 Num : 2 Percent Killed : 31.7274

Activity : 10 Num : 3 Percent Killed : 34.418

Activity : 25 Num : 1 Percent Killed : 16.9578

Activity : 25 Num : 2 Percent Killed : 31.4283

Activity : 25 Num : 3 Percent Killed : 42.6629

Activity : 50 Num : 1 Percent Killed : 18.1451

Activity : 50 Num : 2 Percent Killed : 30.6937

Activity : 50 Num : 3 Percent Killed : 42.5092

Activity : 75 Num : 1 Percent Killed : 18.1158

Activity : 75 Num : 2 Percent Killed : 31.3556

Activity : 75 Num : 3 Percent Killed : 42.4141

Activity : 100 Num : 1 Percent Killed : 18.4058

Activity : 100 Num : 2 Percent Killed : 32.3194

Activity : 100 Num : 3 Percent Killed : 43.2427

Activity : 150 Num : 1 Percent Killed : 19.9089

Activity : 150 Num : 2 Percent Killed : 33.3736

Activity : 150 Num : 3 Percent Killed : 44.0064

Cell Line PC3\_Flu Model : LM Region : Nucleus

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Minimizer is Minuit2 / Migrad

Chi2 = 5.57604

NDf = 5

Edm = 2.35571e-10

NCalls = 24

p0 = 26.1604 +/- 10.9803 (limited)

p1 = 0 (fixed)

Chi squared: 5.57604

Deg Freedom: 5

Reduced Chi squared: 1.11521

Activity : 10 Num : 1 Percent Killed : 98.1679

For 10kBq 99p cell death at hit number 3

Activity : 10 Num : 2 Percent Killed : 100

Activity : 25 Num : 1 Percent Killed : 98.9371

For 25kBq 99p cell death at hit number 3

Activity : 25 Num : 2 Percent Killed : 100

Activity : 50 Num : 1 Percent Killed : 98.2702

For 50kBq 99p cell death at hit number 3

Activity : 50 Num : 2 Percent Killed : 100

Activity : 75 Num : 1 Percent Killed : 98.3994

For 75kBq 99p cell death at hit number 3

Activity : 75 Num : 2 Percent Killed : 100

Activity : 100 Num : 1 Percent Killed : 98.7262

For 100kBq 99p cell death at hit number 3

Activity : 100 Num : 2 Percent Killed : 100

For 150kBq 99p cell death at hit number 2

Activity : 150 Num : 1 Percent Killed : 99.1313

Activity : 150 Num : 2 Percent Killed : 100

Activity : 150 Num : 3 Percent Killed : 100

Cell Line PC3\_Flu Model : LM Region : TotalCell

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Minimizer is Minuit2 / Migrad

Chi2 = 5.52258

NDf = 5

Edm = 1.01127e-09

NCalls = 20

p0 = 3.12781 +/- 0.798394 (limited)

p1 = 0 (fixed)

Chi squared: 5.52258

Deg Freedom: 5

Reduced Chi squared: 1.10452

Activity : 10 Num : 1 Percent Killed : 17.0104

Activity : 10 Num : 2 Percent Killed : 32.1503

Activity : 10 Num : 3 Percent Killed : 34.4433

Activity : 25 Num : 1 Percent Killed : 17.5597

Activity : 25 Num : 2 Percent Killed : 32.2312

Activity : 25 Num : 3 Percent Killed : 44.2426

Activity : 50 Num : 1 Percent Killed : 18.8377

Activity : 50 Num : 2 Percent Killed : 30.6676

Activity : 50 Num : 3 Percent Killed : 43.1328

Activity : 75 Num : 1 Percent Killed : 19.1979

Activity : 75 Num : 2 Percent Killed : 31.875

Activity : 75 Num : 3 Percent Killed : 43.3198

Activity : 100 Num : 1 Percent Killed : 19.1615

Activity : 100 Num : 2 Percent Killed : 33.0369

Activity : 100 Num : 3 Percent Killed : 43.8407

Activity : 150 Num : 1 Percent Killed : 20.6976

Activity : 150 Num : 2 Percent Killed : 33.9145

Activity : 150 Num : 3 Percent Killed : 44.5442

Cell Line C4\_2 Model : LM Region : Membrane

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Minimizer is Minuit2 / Migrad

Chi2 = 5.03299

NDf = 6

Edm = 2.31862e-09

NCalls = 29

p0 = 0.193034 +/- 0.0190657 (limited)

p1 = 0 (fixed)

Chi squared: 5.03299

Deg Freedom: 6

Reduced Chi squared: 0.838831

Activity : 5 Num : 1 Percent Killed : 10.189

Activity : 5 Num : 2 Percent Killed : 16.0109

Activity : 5 Num : 3 Percent Killed : 21.8103

Activity : 10 Num : 1 Percent Killed : 9.51969

Activity : 10 Num : 2 Percent Killed : 16.7964

Activity : 10 Num : 3 Percent Killed : 23.537

Activity : 25 Num : 1 Percent Killed : 17.4754

Activity : 25 Num : 2 Percent Killed : 39.6868

Activity : 25 Num : 3 Percent Killed : 30.5092

Activity : 50 Num : 3 Percent Killed : 0.289132

For 50kBq 99p cell death at hit number 31

For 100kBq 99p cell death at hit number 44

For 150kBq 99p cell death at hit number 48

Cell Line C4\_2 Model : LM Region : Cytoplasm

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Minimizer is Minuit2 / Migrad

Chi2 = 2.30847

NDf = 6

Edm = 1.08606e-08

NCalls = 26

p0 = 3.38401 +/- 0.248844 (limited)

p1 = 0 (fixed)

Chi squared: 2.30847

Deg Freedom: 6

Reduced Chi squared: 0.384745

Activity : 5 Num : 1 Percent Killed : 11.8759

Activity : 5 Num : 2 Percent Killed : 21.2834

Activity : 5 Num : 3 Percent Killed : 29.7208

Activity : 10 Num : 1 Percent Killed : 13.1523

Activity : 10 Num : 2 Percent Killed : 22.1214

Activity : 10 Num : 3 Percent Killed : 30.9608

Activity : 25 Num : 1 Percent Killed : 19.2469

Activity : 25 Num : 2 Percent Killed : 24.8834

Activity : 25 Num : 3 Percent Killed : 34.3322

Activity : 50 Num : 2 Percent Killed : 32.2375

Activity : 50 Num : 3 Percent Killed : 35.4199

Activity : 75 Num : 3 Percent Killed : 34.4923

For 100kBq 99p cell death at hit number 39

For 150kBq 99p cell death at hit number 39

Cell Line C4\_2 Model : LM Region : Nucleus

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Minimizer is Minuit2 / Migrad

Chi2 = 2.21715

NDf = 6

Edm = 8.5063e-07

NCalls = 39

p0 = 130.323 +/- 23.2265 (limited)

p1 = 0 (fixed)

Chi squared: 2.21715

Deg Freedom: 6

Reduced Chi squared: 0.369526

For 5kBq 99p cell death at hit number 2

Activity : 5 Num : 1 Percent Killed : 99.9811

Activity : 5 Num : 2 Percent Killed : 100

For 10kBq 99p cell death at hit number 2

Activity : 10 Num : 1 Percent Killed : 99.9948

Activity : 10 Num : 2 Percent Killed : 100

Activity : 10 Num : 3 Percent Killed : 100

For 25kBq 99p cell death at hit number 2

Activity : 25 Num : 1 Percent Killed : 99.9635

Activity : 25 Num : 2 Percent Killed : 100

Activity : 25 Num : 3 Percent Killed : 100

For 50kBq 99p cell death at hit number 2

Activity : 50 Num : 1 Percent Killed : 99.9734

Activity : 50 Num : 2 Percent Killed : 100

Activity : 50 Num : 3 Percent Killed : 100

For 75kBq 99p cell death at hit number 2

Activity : 75 Num : 1 Percent Killed : 99.9964

Activity : 75 Num : 2 Percent Killed : 100

Activity : 75 Num : 3 Percent Killed : 100

For 100kBq 99p cell death at hit number 2

Activity : 100 Num : 1 Percent Killed : 99.977

Activity : 100 Num : 2 Percent Killed : 100

Activity : 100 Num : 3 Percent Killed : 100

For 150kBq 99p cell death at hit number 2

Activity : 150 Num : 1 Percent Killed : 99.9982

Activity : 150 Num : 2 Percent Killed : 100

Activity : 150 Num : 3 Percent Killed : 100

Cell Line C4\_2 Model : LM Region : TotalCell

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Minimizer is Minuit2 / Migrad

Chi2 = 2.36948

NDf = 6

Edm = 7.93436e-09

NCalls = 26

p0 = 3.29761 +/- 0.242035 (limited)

p1 = 0 (fixed)

Chi squared: 2.36948

Deg Freedom: 6

Reduced Chi squared: 0.394914

Activity : 5 Num : 1 Percent Killed : 10.2743

Activity : 5 Num : 2 Percent Killed : 17.6495

Activity : 5 Num : 3 Percent Killed : 24.6605

Activity : 10 Num : 1 Percent Killed : 11.1633

Activity : 10 Num : 2 Percent Killed : 18.3602

Activity : 10 Num : 3 Percent Killed : 25.8138

Activity : 25 Num : 1 Percent Killed : 17.3106

Activity : 25 Num : 2 Percent Killed : 15.0335

Activity : 25 Num : 3 Percent Killed : 25.5528

Activity : 50 Num : 3 Percent Killed : 26.8949

For 100kBq 99p cell death at hit number 50

For 150kBq 99p cell death at hit number 48

ghp\_HkSLDECaZxxzF1dkgvgxG3imwdDycK4dH37k

ghp\_HkSLDECaZxxzF1dkgvgxG3imwdDycK4dH37k

A table with numbers and symbols

Description automatically generated