

# Cytotoxicity and Radiosensitizing Potentials of Pilosulin-3, a Recombinant Ant Venom, in Breast Cancer Cells

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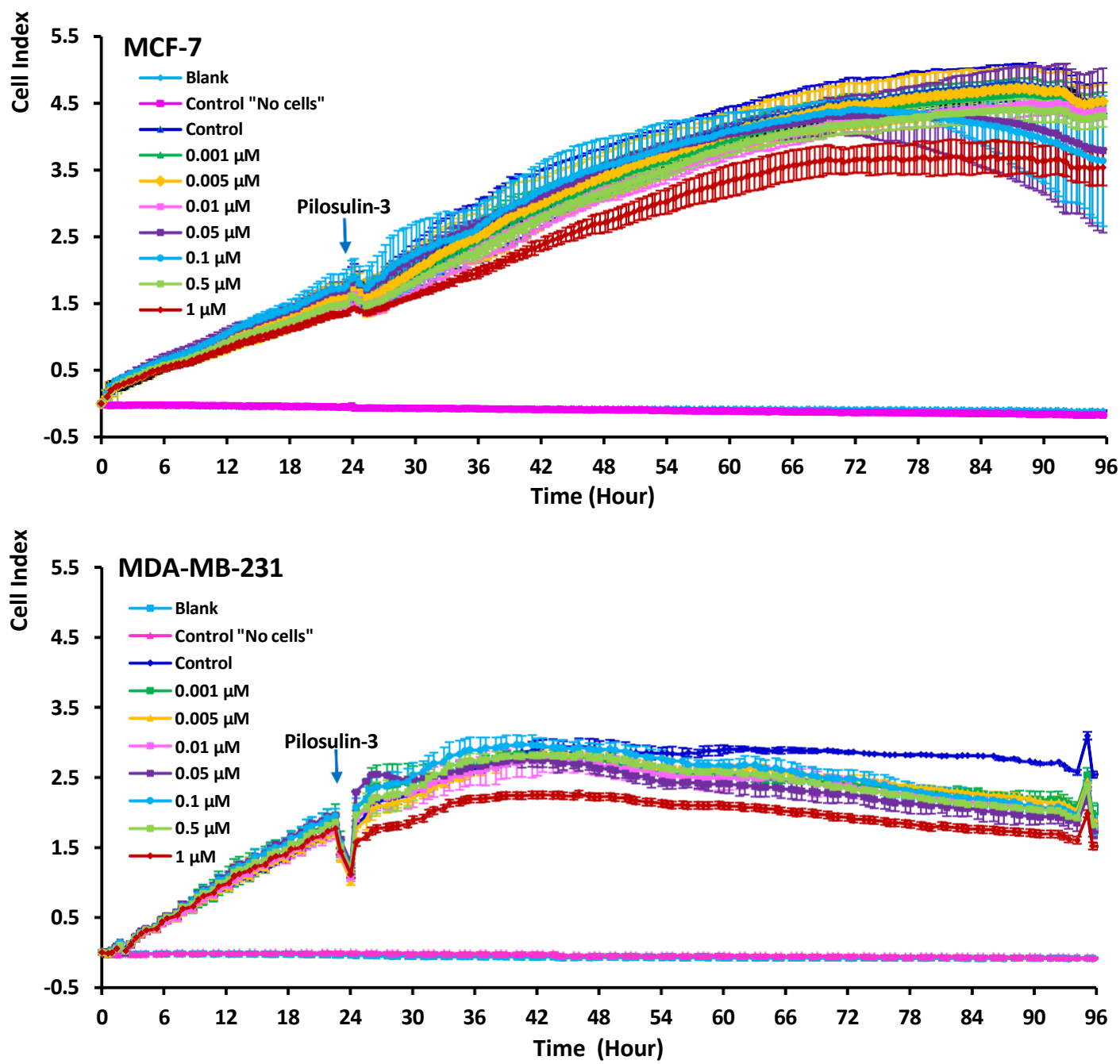


Figure S1. Example of cell proliferation results using the Real-Time Cell Analyzer (RTCA) assay.

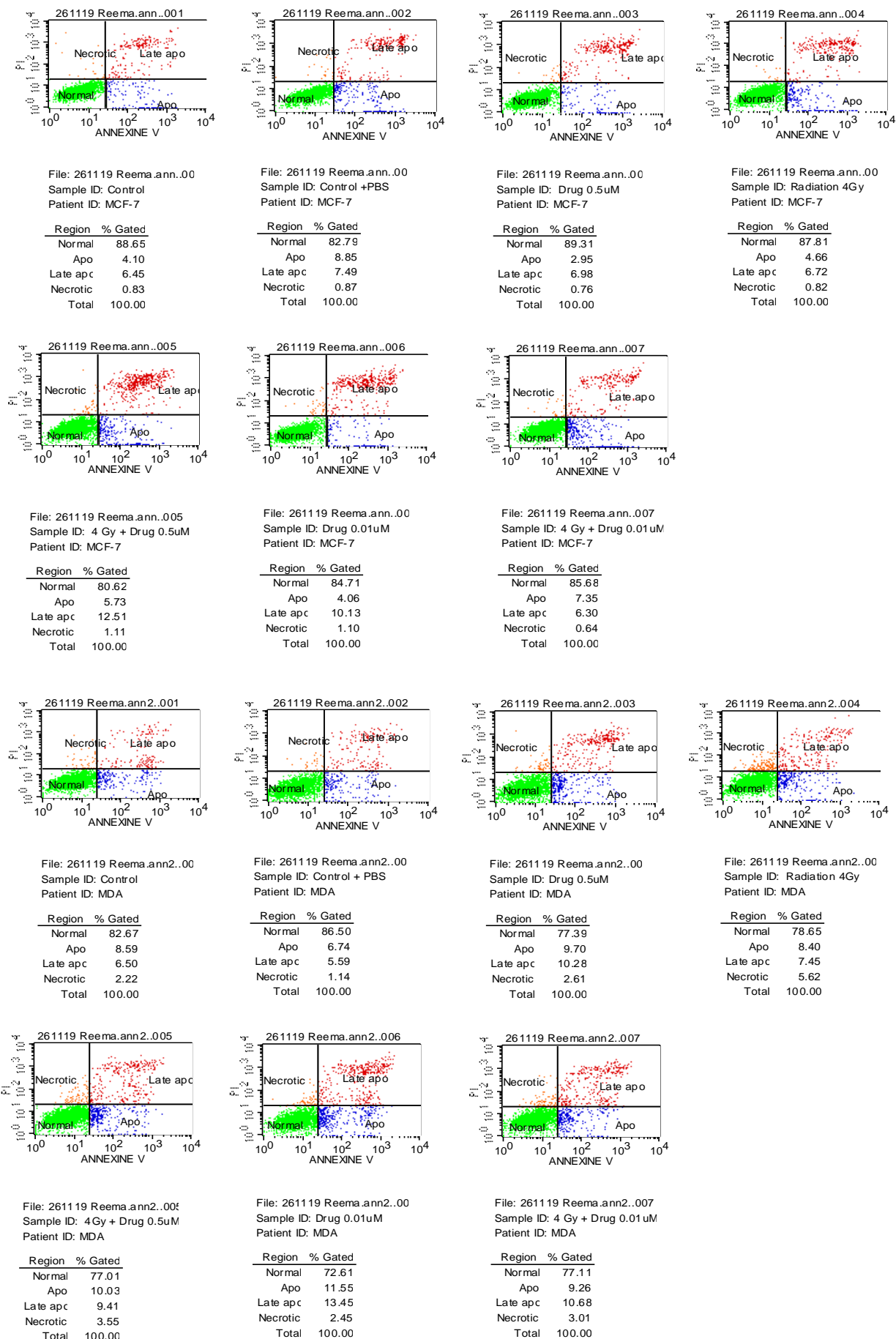
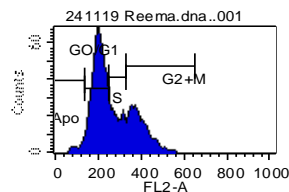
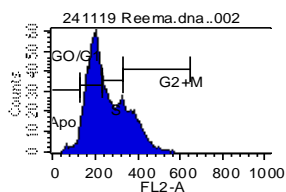


Figure S2. Example of flow cytometry dot-plots results of the effect of Pilosulin-3 on cell cycle in MCF-7 and MDA-MB-231 breast cancer cell lines.



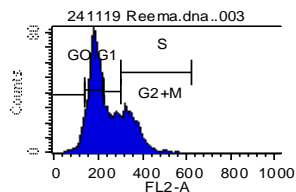
File: 241119 Reema.dna..00  
Sample ID: Control  
Patient ID: MCF-7

Marker	% Gated
All	100.00
Apo	2.78
GO/G1	55.31
S	16.25
G2+M	25.78



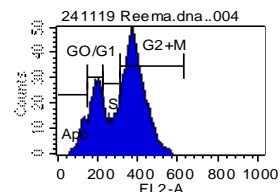
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Sample ID: Control +PBS  
Patient ID: MCF-7

Marker	% Gated
All	100.00
Apo	3.13
GO/G1	51.43
S	25.75
G2+M	20.23



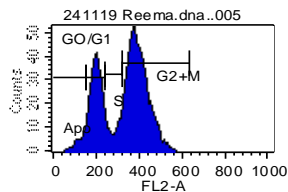
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Sample ID: Drug 0.5uM  
Patient ID: MCF-7

Marker	% Gated
All	100.00
Apo	5.04
GO/G1	51.32
S	20.01
G2+M	23.72



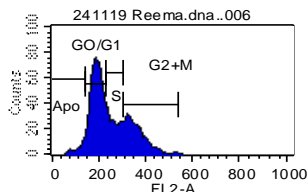
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Sample ID: 4 Gy Radiation  
Patient ID: MCF-7

Marker	% Gated
All	100.00
Apo	6.71
GO/G1	19.60
S	16.25
G2+M	57.61



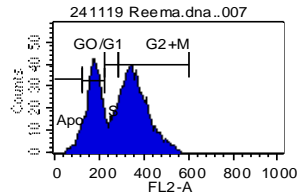
File: 241119 Reema.dna..005  
Sample ID: 4 Gy + Drug 0.5uM  
Patient ID: MCF-7

Marker	% Gated
All	100.00
Apo	4.45
GO/G1	26.99
S	9.50
G2+M	59.99



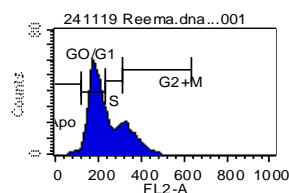
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Sample ID: Drug 0.01uM  
Patient ID: MCF-7

Marker	% Gated
All	100.00
Apo	4.29
GO/G1	50.43
S	18.84
G2+M	27.21



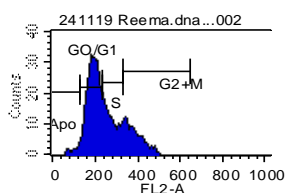
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Sample ID: 4 Gy + Drug 0.01uM  
Patient ID: MCF-7

Marker	% Gated
All	100.00
Apo	3.67
GO/G1	31.81
S	12.08
G2+M	53.26



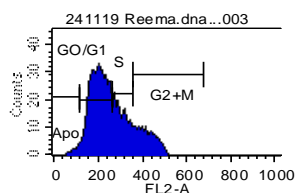
File: 241119 Reema.dna...00  
Sample ID: Control  
Patient ID: MDA

Marker	% Gated
All	100.00
Apo	1.77
GO/G1	59.78
S	18.87
G2+M	19.73



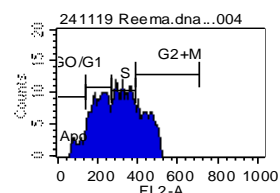
File: 241119 Reema.dna...00  
Sample ID: Control +PBS  
Patient ID: MDA

Marker	% Gated
All	100.00
Apo	2.74
GO/G1	56.39
S	23.21
G2+M	18.03



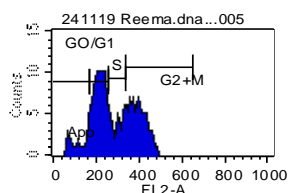
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Sample ID: Drug 0.5uM  
Patient ID: MDA

Marker	% Gated
All	100.00
Apo	1.41
GO/G1	60.44
S	23.85
G2+M	15.49



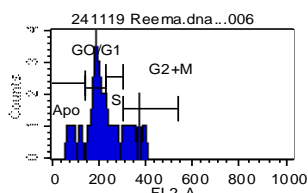
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Sample ID: 4 Gy Radiation  
Patient ID: MDA

Marker	% Gated
All	100.00
Apo	4.80
GO/G1	35.10
S	37.52
G2+M	21.29



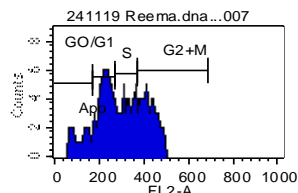
File: 241119 Reema.dna...00  
Sample ID: 4 Gy+ Drug 0.5uM  
Patient ID: MDA

Marker	% Gated
All	100.00
Apo	9.55
GO/G1	40.61
S	18.08
G2+M	33.04



File: 241119 Reema.dna...00  
Sample ID: Drug 0.01uM  
Patient ID: MDA

Marker	% Gated
All	100.00
Apo	13.38
GO/G1	51.59
S	16.56
G2+M	18.47



File: 241119 Reema.dna...007  
Sample ID: 4 Gy+ Drug 0.01uM  
Patient ID: MDA

Marker	% Gated
All	100.00
Apo	11.96
GO/G1	33.12
S	25.89
G2+M	29.73

Figure S3. Example of flow cytometry histograms results of the effect of Pilosulin-3 on apoptosis induction in MCF-7 and MDA-MB-231 breast cancer cell lines.