

Researcher	: Dr.Ahmed Soliman	email: ahmed_doghish@azhar.edu.eg
Assay	: Cell Cycle Analysis	
Samples	: 05 *3 samples	
cell line	: ---	
Ref.	: ---	
Date	: 23-09-2020	
Reader	: BD FACSCalibur	
Kit used	: Propidium Iodide Flow Cytometry Kit	
Solvent	:	
Assay samples	: Cell culture	

Lab Report

ser	Sample data	Results											
		DNA content											
	code	%G0-G1			%S			%G2/M			%Pre-G1		
1	Cont. MCF7	57.40	49.10	55.25	42.39	37.26	36.80	7.60	6.51	7.68	1.91	1.66	1.78
2	Taxol/MCF7	38.76	31.77	34.80	29.47	26.49	24.67	41.77	38.8	33.47	37.10	32.85	30.77
3	GO/MCF7	54.53	47.00	46.69	34.44	33.00	29.96	19.70	18.57	16.10	19.87	20.63	17.27
4	GO-EDTA/MCF7	36.97	31.05	33.20	26.70	23.38	22.48	45.57	41.66	38.99	41.19	44.94	38.15
5	GO-CS/MCF7	48.74	46.10	44.11	36.93	31.08	29.53	23.42	21.09	19.00	26.00	32.44	28.90

	%G0/G1		%S		%G2/M		%Pre-G1	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
control	53.92	4.31	38.82	3.1	7.26	0.65	1.79	0.13
Taxol	35.11	3.51	26.88	2.42	38.01	4.21	33.57	3.22
GO	49.41	4.44	32.47	2.28	18.12	1.84	19.26	1.76
GO-EDTA	33.74	2.99	24.19	2.23	42.07	3.31	41.43	3.4
GO-CS	46.32	2.316	32.51	3.9	21.17	2.21	29.11	3.2

