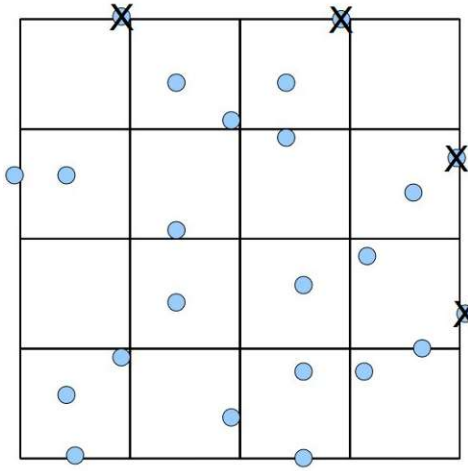
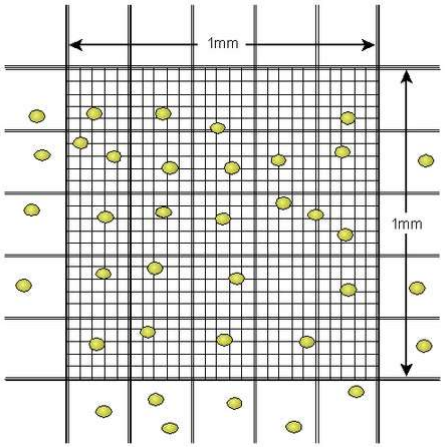
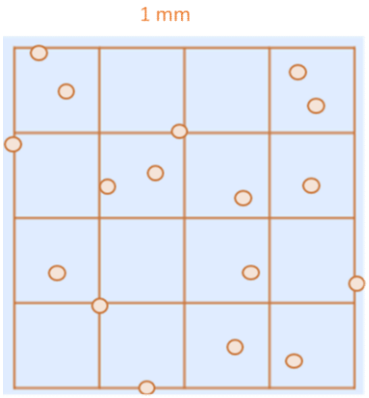
Grid1



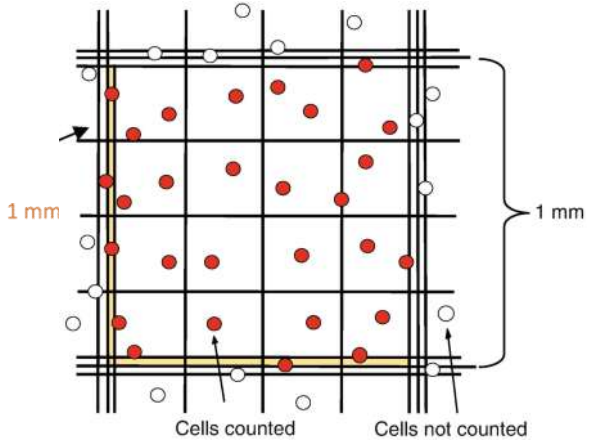
Grid2



Grid3



Grid 4



- count cells in grid with diameters 1mm x 1mm x 0,1 mm
- that is one small square x 16
- multiply number of cells by 10 000 we got number of cell per 1ml (or 1000 ul)

- calculate how much ul you need to use to seed cells on indicated types of plates

	Surface area (cm^2)	Seeding density	Seeding density	Cells at confluency[1]	Growth medium (ml) Approx. volume	grid1	grid2	grid3	grid4
Culture plates	-	-		-	-	ml to seed	ml to seed	ml to seed	ml to seed
6-well	9.6	0.3 x 10^6	**300000**	1.2 x 10^6	1 to 3				this
12-well	3.5	0.1 x 10^6	**100000**	0.5 x 10^6	1 to 2				
24-well	1.9	0.05 x 10^6	**50000**	0.24 x 10^6	0.5 to 1.0	this			
48-well	1.1	0.03 x 10^6	**30000**	0.12 x 10^6	0.2 to 0.4			this	
96-well	0.32	0.01 10^6	**10000**	0.04 x 10^6	0.1 to 0.2				
Dishes	-	-		-	-				
35mm	8.8	0.3 x 10^6	**300000**	1.2 x 10^6	2				
60mm	21.5	0.8 x 10^6	**800000**	3.2 x 10^6	5				
100mm	56.7	2.2 x 10^6	**2200000**	8.8 x 10^6	12				
150mm	145	5.0 x 10^6	**5000000**	20.0 x 10^6	30				