

Useful Numbers for Cell Culture

There are various sizes of dishes and flasks used for cell culture. Some useful numbers such as surface area and volumes of dissociation solutions are given below for various size culture vessels.

	Surface Area (mm ²)	Seeding Density	Cells at Confluency ¹	Versene (ml of 0.53 mM EDTA)	Trypsin (ml of 0.05% trypsin, 0.53 mM EDTA)	Growth Medium (ml)
Dishes						
35 mm	962	0.3×10^6	1.2×10^6	1	1	2
60 mm	2,827	0.8×10^6	3.2×10^6	3	2	3
100 mm	7,854	2.2×10^6	8.8×10^6	5	3	10
150 mm	17,671	5.0×10^6	20.0×10^6	10	8	20
Cluster Plates						
6-well	962	0.3×10^6	1.2×10^6	2	2	3-5
12-well	401	0.1×10^6	0.4×10^6	1	1	1-2
24-well	200	0.05×10^6	0.2×10^6	0.5	0.5	0.5-1.0
Flasks						
T-25	2,500	0.7×10^6	2.8×10^6	3	3	3-5
T-75	7,500	2.1×10^6	8.4×10^6	5	5	8-15
T-160	16,000	4.6×10^6	18.4×10^6	10	10	15-30

¹ The number of cells on a confluent plate, dish, or flask will vary with cell type. For this table, HeLa cells were used.

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