



Happy Cell[®] ASM Cell Line Density

A seeding density of 0.5 – 1 x 10⁶ cells per ml is suitable for most cell types.

CELL TYPE	CELL LINE	SEEDING DENSITY CELLS/ML
Lymphocytes	HuT 78	1 x 10 ⁶
	Jurkat	1 x 10 ⁶
	THP-1	5 x 10 ⁵
Oesophageal Cancer	OE21	2.5 X 10 ⁶
	OE33	2.5 X 10 ⁶
Breast Cancer	MCF7	1 x 10 ⁶
	HCC	
	T-47D	5 x 10 ⁵
	SK-BR-3	5 x 10 ⁵
Prostate Cancer	PC-3	1 x 10 ⁶
	DU 145	1 x 10 ⁶
	LNCaP	1 x 10 ⁶
	22Rv1	1 x 10 ⁶
Melanoma	LM-MEL-19	2.5 x 10 ⁶
	SK-MEL-29	2.5 x 10 ⁶
	SK-MEL-103	2.5 x 10 ⁶
	UACC-257	2.5 x 10 ⁶
	NIH-3T3	

CELL TYPE	CELL LINE	SEEDING DENSITY CELLS/ML
	UACC-2577	
Lung Cancer	A549 MOR H460 H1299 SK-MES-1	5 x 10 ⁵ 5 x 10 ⁵ 5 x 10 ⁵ 5 x 10 ⁵ 5 x 10 ⁵
Liver Cancer	HepG2 Hep2a	5 x 10 ⁵
Cervical Cancer	HeLa	1 x 10 ⁶
Osteosarcoma	U-2 OS	1 x 10 ⁶
Human embryonal carcinoma	NTERA-2	1 x 10 ⁶
Nasal carcinoma	RPMI2650 (ATCCR CCL-30)	
Pharyngeal cancer	FaDu (ATCC HTB43)	5 x 10 ⁵
HPV-16 positive human upper digestive tract squamous cell carcinoma	93-VU-147T UD-SCC2	5 x 10 ⁵ 5 x 10 ⁵
Human tongue squamous cell carcinoma	SCC15 (ATCC CRL-1623) SCC25 (ATCC CRL-1628) CAL27 (ATCC CRL2095)	5 x 10 ⁵ 5 x 10 ⁵ 5 x 10 ⁵
Heart	H9c2 Primary Cardiac Myocytes (stem cell-derived)	
Neuronal	N-TERA2	

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ASM

CELL TYPE	CELL LINE	SEEDING DENSITY CELLS/ML
Rat heart myoblast	H9c2	8×10^5
Chinese hamster ovary	CHO-K1	5×10^5