

Screening Services

Cell Lines In The *In Vitro* Screen

Note: This is a list of the 60 human cancer cell lines used in the screen and maintained at NCI-Frederick. Additional lines evaluated for use in the screen and currently available are listed separately at the bottom of the page.

Please note the links for more information on the SNB-19, U251, NCI/ADR-RES, and MDA-MB-435 cell lines.

- MDA-MB-435
- U251
- SNB-19
- NCI/ADR-RES

Cell Line Name	Panel Name	Doubling Time	Inoculation Density
CCRF-CEM	Leukemia	26.7	40000
HL-60(TB)	Leukemia	28.6	40000
K-562	Leukemia	19.6	5000
MOLT-4	Leukemia	27.9	30000
RPMI-8226	Leukemia	33.5	20000
SR	Leukemia	28.7	20000
A549/ATCC	Non-Small Cell Lung	22.9	7500
EKVX	Non-Small Cell Lung	43.6	20000
HOP-62	Non-Small Cell Lung	39	10000
HOP-92	Non-Small Cell Lung	79.5	20000
NCI-H226	Non-Small Cell Lung	61	20000
NCI-H23	Non-Small Cell Lung	33.4	20000
NCI-H322M	Non-Small Cell Lung	35.3	20000
NCI-H460	Non-Small Cell Lung	17.8	7500
NCI-H522	Non-Small Cell Lung	38.2	20000
COLO 205	Colon	23.8	15000
HCC-2998	Colon	31.5	15000
HCT-116	Colon	17.4	5000
HCT-15	Colon	20.6	10000
HT29	Colon	19.5	5000
KM12	Colon	23.7	15000
SW-620	Colon	20.4	10000
SF-268	CNS	33.1	15000
SF-295	CNS	29.5	10000
SF-539	CNS	35.4	15000
SNB-19	CNS (For more Information)	34.6	15000

SNB-75	CNS	62.8	20000
U251	CNS (For more information)	23.8	7500
LOX IMVI	Melanoma	20.5	7500
MALME-3M	Melanoma	46.2	20000
M14	Melanoma	26.3	15000
MDA-MB-435	Melanoma (For more information)	25.8	15000
SK-MEL-2	Melanoma	45.5	20000
SK-MEL-28	Melanoma	35.1	10000
SK-MEL-5	Melanoma	25.2	10000
UACC-257	Melanoma	38.5	20000
UACC-62	Melanoma	31.3	10000
IGR-OV1	Ovarian	31	10000
OVCAR-3	Ovarian	34.7	10000
OVCAR-4	Ovarian	41.4	15000
OVCAR-5	Ovarian	48.8	20000
OVCAR-8	Ovarian	26.1	10000
NCI/ADR-RES	Ovarian (For more information)	34	15000
SK-OV-3	Ovarian	48.7	20000
786-0	Renal	22.4	10000
A498	Renal	66.8	25000
ACHN	Renal	27.5	10000
CAKI-1	Renal	39	10000
RXF 393	Renal	62.9	15000
SN12C	Renal	29.5	15000
TK-10	Renal	51.3	15000
UO-31	Renal	41.7	15000
PC-3	Prostate	27.1	7500
DU-145	Prostate	32.3	10000
MCF7	Breast	25.4	10000
MDA-MB-231/ATCC	Breast	41.9	20000
HS 578T	Breast	53.8	20000
MDA-N Not Available	Breast	22.5	15000
BT-549	Breast	53.9	20000
T-47D	Breast	45.5	20000

Additional Lines

Cell Line Name	Panel Name	Doubling Time	Inoculation Density
LXFL 529	Non-Small Cell Lung		10000

DMS 114	Small Cell Lung		20000
SHP-77	Small Cell Lung		40000
DLD-1	Colon		50000
KM20L2	Colon		10000
SNB-78	CNS		20000
XF 498	CNS		20000
RPMI-7951	Melanoma		20000
M19-MEL	Melanoma		10000
RXF-631	Renal		10000
SN12K1	Renal		10000
MDA-MB-468	Breast		20000
P388	Leukemia		50000
P388/ADR	Leukemia		50000