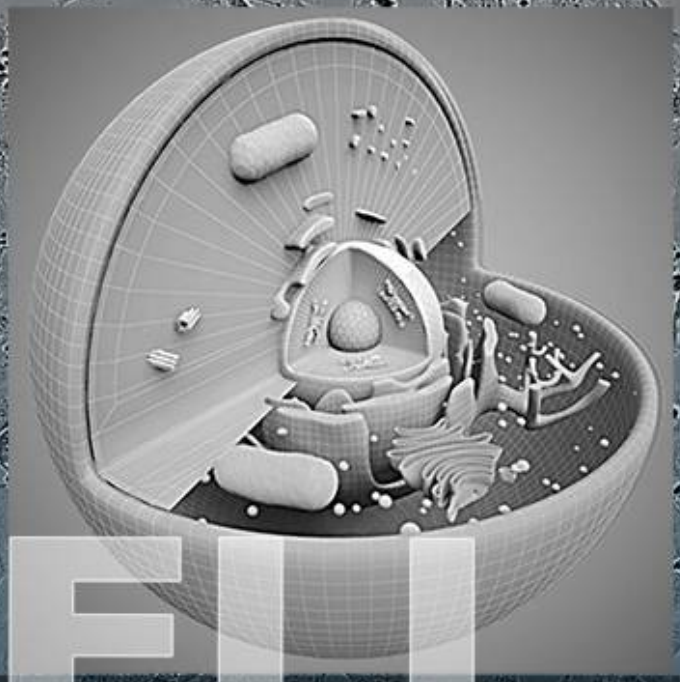

CELL LINES BANK 2014

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DEPARTMENT OF EXPERIMENTAL CELL SYSTEMS

BANK OF CELL LINES

FROM HUMAN AND ANIMAL TISSUE

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2014

Bank of Cell Lines

The Bank of Cell Lines (BCL) from human and animal tissues, based at the Department of Experimental Cell Systems, is the most significant in Ukraine official collection of cellular material intended for collection, cryopreservation and distributing cell cultures and strain of transplanted tumors.

This unique Bank has more than 30,000 samples of typical and original cell lines from normal and tumor tissues of different animal species — rat, mouse, hamster, monkey, pig, dog, ox, sheep, bats, mink, fish, insects and etc.

The collection of BCL contains more than 200 cell lines and over 30 strains of animal transplanted tumors:

CELL LINES FROM HUMAN TISSUE
CELL LINES FROM RAT TISSUE
CELL LINES FROM MURINE TISSUSE
CELL LINE OF OTHER SPECIES OF ANIMALS
BANK OF TRANSPLANTABLE TUMORS

Scientific interests of BCL comprise the study of biological and morphological properties of cells, their immunophenotype and cytogenetic features.

The tasks of BCL also includes establishment and characterization of new cell lines from normal and tumor tissues of humans and various animal species. In BCL widely used modern methods of research: Technology to artificially cultivate and cloning of cells, transduction of cells by different transgenes, and the cytological, immunologic, virologic, biochemical, morphological and cytogenetic research methods.

BCL staff have extensive experience in testing *in vitro* and *in vivo* factors with antitumor and antiviral activity of various nature (chemical, physical, biological). In the BCL are appropriate cellular model systems to determine in vitro the biological activity of various cytokines (interleukins, growth factors, tumor necrosis factor, interferon, and others).

The BCL from human and animal tissues are listed in the State Register objects of national property of Ukraine.

CATALOGUE OF CELL LINES

CELL LINES FROM HUMAN TISSUE

N	DESIGNATION	COMMENTS
1.	**293**	Kidney cells, transformed with Ad5
2.	**5637**	Bladder carcinoma
3.	**A-431**	Epidermal carcinoma of vulva
4.	**A-498**	Kidney carcinoma
5.	**A-549**	Lung carcinoma
6.	**A-549 IFN**	Lung carcinoma, modified with IFN
7.	**AGS**	Human Caucasian gastric adenocarcinoma
8.	**BT-20**	Breast carcinoma
9.	**BT-474**	Mammary carcinoma
10.	**Caco-2**	Colon adenocarcinoma
11.	**CaOv**	Ovarian carcinoma
12.	**CaUt**	Cell line, carcinoma of corpus uteri (new)
13.	**CaUt clones**	Series of clones (16) of CaUt cell line (new)
14.	**CC-Feys**	Colon cancer
15.	**COLO 320HSR**	Colon adenocarcinoma
16.	**DU-145**	Prostate carcinoma
17.	**EwSa**	Cell line from Ewing's sarcoma
18.	**EwSa\neo**	Cell line from Ewing's sarcoma, pSVneo transfected
19.	**HaCaT**	Immortal keratinocytes
20.	**HeLa**	Cervical carcinoma, wild subline
21.	**HeLa-S3**	Cervical carcinoma, suspension subline
22.	**Hep G2**	Hepatocellular carcinoma
23.	**HEp-2**	Epidermal carcinoma of larynx
24.	**HEp-2-Cin**	Epidermal carcinoma of larynx, subline
25.	**HEp-2CD**	Series of cell clones, cotransfected with plasmides pSV2neo and CD12, containing LTR HIV-CAT
26.	**HEp-2neo**	Series of cell clones, transfected with pSV2neo plasmide
27.	**HEp-2st**	Series of cell clones, cotransfected with plasmides pSV2neo and pSV2 *tatLAI*, containing 1st exon of HIV *tat* gene
28.	**HMSC**	Human mesenchymal stem cells
29.	**HOBoch**	Ovarian carcinoma (new cell line)
30.	**HT-1080**	Fibrosarcoma
31.	**HCT116**	Colon carcinoma
32.	**HuTu 80**	Duodenum adenocarcinoma
33.	**IMR-32**	Neuroblastoma
34.	**IMR-32R**	Neuroblastoma, subline
35.	**JAR**	Choriocarcinoma
36.	**KB**	Epidermal oral carcinoma
37.	**KC-8**	Glioma, RSV transformed
38.	**L-41**	Reticular cells (from monocytic leukemia)
39.	**LNCaP**	Prostate carcinoma
40.	**M-19**	Diploid fibroblasts
41.	**MCF-7**	Breast carcinoma
42.	**MCF-7IFN**	Breast carcinoma, IFN modified (new)
43.	**MG-63**	Osteosarcoma

44.	**M-Hela**	Carcinoma of cervix, monolayer subline
45.	**MIA-Pa-Ca-2**	Pancreatic carcinoma
46.	**PA-1**	Ovarial teratocarcinoma
47.	**PANC-1**	Pancreatic carcinoma
48.	**PC-3**	Prostate carcinoma
49.	**RC-Raf**	Colon cancer (new cell line)
50.	**RD**	Rhabdomyosarcoma
51.	**RT4**	Transitional-cell bladder papiloma
52.	**SK-Mel-28**	Malignant melanoma
53.	**SK-N-SH**	Neuroblastoma
54.	**SW-480**	Colon adenocarcinoma
55.	**T-24**	Bladder carcinoma
56.	**T-47D**	Ductal mammary carcinoma
57.	**T-47DIFN**	Mammary carcinoma, IFN-modified
58.	**TCCSUP**	Transitional-cell bladder carcinoma
59.	**U-2149**	Malignant histiocytoma
60.	**U-251**	Malignant glioma (astrocytoma)
61.	**U-373 MG**	Malignant glioblastoma astrocytoma
62.	**U-373CD**	Series of cell clones, cotransfected with plasmides **pSV2neo** and **CD12**, containing construction **LTR HIV-CAT**
63.	**U-373neo**	Series of cell clones, transfected with **pSV2neo** plasmide
64.	**U-373st**	Series of cell clones, cotransfected with plasmides **pSV2neo** and **pSV2 *tatLAI***, containing 1st exon of HIV ***tat*** gene
65.	**WM115**	Malignant melanoma
66.	**WM451**	Malignant melanoma

Suspension leukemic cell lines

67.	**CCRF-CEM-T4**	Acute lymphoblastic leukemia (T-cells)
68.	**174 x CEM**	B-T-cell hybrid
69.	**DAUDI**	Burkitt's lymphoma
70.	**H-9**	Clone from HUT-78 T-cell lymphoma
71.	**HL-60**	Acute myelogenous leukemia
72.	**Jurkat**	Leukemic T-cell lymphoblast
73.	**K-562a**	Chronic myelogenous leukemia, subline a
74.	**K-562к**	K-562, subline к
75.	**K-562м**	K-562 , subline м
76.	**K-562IFN**	K-562, modified with IFN
77.	**KG-1**	Acute myelogenous leukemia
78.	**MT-2**	T-cell lymphoblast, HTLV-1- infected, high-level virus producer
79.	**MT-4**	T-cell lymphoblast, HTLV-1 infected, non-producing
80.	**MOLT-4**	T lymphoblast, acute lymphoblastic leukemia
81.	**Namalva**	Burkitt's lymphoma
82.	**P3HR-1**	Burkitt's lymphoma
83.	**Raji**	Burkitt's lymphoma
84.	**Ramos**	Burkitt's lymphoma
85.	**U-937**	Histiocytic lymphoma, Swedish subline
86.	**U-937F**	Histiocytic lymphoma, Finnish subline
87.	**U-937IFN**	Histiocytic lymphoma, IFN-modified
88.	**Wish**	Human normal amnion (Hela contaminant)

CELL LINES FROM RAT TISSUE

89.	**C6**	Glioma, induced NNMH, clonal cell line
90.	**FR**	Immortalized fibroblasts of Wistar rat, Herpes virus sensitive
91.	**GC-T8**	Guerin's carcinoma
92.	**Ki-NRK-CL5**	Clone of NRK cell line, transformed with ts-mutant of Ki-MSV
93.	**McA-RH8994**	Morris hepatoma of Buffalo rat
94.	**MRS**	Cell line, established from spontaneous mammary tumor of Wistar rat
95.	**MRS-A**	Morphological transformant of MRS line
96.	**MRS-T**	Cell line, established from tumor, unduced MRS cells
97.	**MRS-TAS**	Cell line, established from ascitic MRS-T cells
98.	**MRS-TAS/Lym**	MRS-TAS subline
99.	**MRS-TB**	Cell line, established from MRS tumor
100.	**MRS-TM**	Cell line, established from kidney metastatic tumor, induced MRS cells
101.	**NB-2**	T-cell lymphoma of Nb rat
102.	**NGUK**	Neurinoma of Gasserian ganglion
103.	**NRK**	Normal rat kidney
104.	**NRK-49F**	Fibroblast-like clone of NRK
105.	**NRK-RLV**	Normal rat kidney, RLV-infected
106.	**PC-12**	Phaeochromocytoma
107.	**Rat 1**	Fibroblasts of Fisher rat, TK⁻
108.	**REF**	Normal Wistar rat embryo fibroblasts
109.	**REF-283-8**	Cell line established from soft agar colony of REF-R1-1 cells ,cotransfected with Ej-ras (Ha-ras) oncogene
110.	**REF-R1**	Immortalized REF-Wistar cells, transfected with E1A of Ad5 virus
111.	**REF-R1-1**	REF-R1 cell line, cotransfected with Ej-ras (Ha-ras) oncogene
112.	**REF-R1-C4**	REF-R1 cells,cotransfected with oncogene v-myc
113.	**REF-R2T**	Cell line established from tumor, induced REF-R1-1 cells, cotransfected with oncogene Ej-ras (Ha-ras)
114.	**REFt**	Fibroblasts of Fisher rat, spontaneously transformed
115.	**RLC**	Suspension cell line from transplantable Pliss lymphosarcoma
116.	**RLCbs**	RLC-subline, b/s adapted
117.	**RL-K5**	Suspension cell line from transplantable Svec erythromyelosis
118.	**RBM-MSC**	Rat bone marrow mesenchymal stem cells
119.	**ROC-1**	Rat ovary carcinoma (new)
120.	**SHL-82**	Suspension cell line, established from transplantable Shay chloroleukemia
121.	**STMR-1**	Mammary rat carcinoma
122.	**XC**	Cell line from sarcoma induced with RSV in Wistar rat
123.	**ZAH**	Cell line from Zajdel ascitic hepatoma

CELL LINES FROM MURINE TISSUSE

124.	**BALB-3T3**	BALB/3T3 embryo cells
125.	**BALB-3T3 clone A31**	Clone of BALB/3T3 cells
126.	**BEF**	BALB/c embryo cells
127.	**BELu**	BALB/c lung embryo cells
128.	**CaMa755**	Cell line, established from tumor of Ca755 strain (new)
129.	**CMS-180**	Cell line, established from tumor of Sarcoma-180 strain (new)
130.	**EL-4**	T-cell leukemia of C57BL/6 mice
131.	**EPNT-5**	Glioblastoma, DMBA-induced in C57BL/6 mouse
132.	**J-774**	Histiocytic sarcoma
133.	**JLSV-9-RLV**	BALB/c bone marrow cells, RLV infected
134.	**L 1210**	DBA/2 lymphocytic leukemia
135.	**L 1210 DACH**	Trans-platine resistant subline of L1210
136.	**L 1210 DDP 10**	Cis-platine resistant subline of L1210
137.	**L929a**	C3H/An normal subcutaneous areolar and adipose tissue, a-subline
138.	**L929k**	L929 k-subline
139.	**L929m**	C3H/An normal subcutaneous areolar and adipose tissue, m-subline
140.	**L929/VSV**	L929 subline, VSV resistant (new)
141.	**LL**	Cell line, established from Lewis lung carcinoma of C57BL/6 mice
142.	**LL-C5**	High-metastatic clone of LL cell line
143.	**LL-D2**	Low-metastatic clone of LL cell line
144.	**LL-D10**	Low-metastatic clone of LL cell line
145.	**LL-E6**	High-metastatic clone of LL cell line
146.	**LL-E7**	Low-metastatic clone of LL cell line
147.	**LL-E8**	High-metastatic clone of LL cell line
148.	**LL-E9**	High-metastatic clone of LL cell line
149.	**LL-F5**	Low-metastatic clone of LL cell line
150.	**LL-F7**	Low-metastatic clone of LL cell line
151.	**LL clones**	Series of clones of LL cell line (not yet studed)
152.	**LL-M1**	High-metastatic LL sublines after 1 v/v passages
153.	**LL-M2**	High-metastatic LL sublines after 2 v/v passages
154.	**LL/pSVneo**	Series of LL clones, transfected with pSV2neo
155.	**MAEC**	Endothelial aortic cells of BALB/c mice
156.	**MAK-3**	Cell line, established from Ehrlich ascitic carcinoma
157.	**MAK-3B3**	Low-tumorigenic MAK-3 clone
158.	**MAK-3 clones**	Series of MAK-3 clones (not yet studed)
159.	**MAK-3C7**	High-tumorigenic MAK-3 clone
160.	**MAK-3E4**	High-tumorigenic MAK-3 clone
161.	**MAK-3F5**	High-tumorigenic MAK-3 clone
162.	**MAK-3G10**	Non-tumorigenic MAK-3 clone
163.	**MAK-3H11**	Low-tumorigenic MAK-3 clone
164.	**MB-16**	Cell line, established from melanoma B-16 (new)
165.	**MB-16/SM**	Cell line, established from spontaneous lung metastases of B-16 melanoma (new)
166.	**MH-22A**	C3H/A hepatocarcinoma
167.	**MM-4**	Cell line, established from B16 melanoma of C57BL/6 mice

168.	**MM-4M1**	High-metastatic sublines of MM-4 cells after v/v passages
169.	**MM-4M2**	High-metastatic sublines
170.	**MM-4M3**	High-metastatic sublines
171.	**MM-4/IFN**	MM-4, IFN-modifined
172.	**MM-4M2IFN**	MM-M2 cells, IFN-modifined
173.	**MM-4P1**	High-pigmented subline of MM-4
174.	**MM-4P2**	High-pigmented subline of MM-P1
175.	**MOPS 406**	BALB/c plasmacytoma
176.	**NIH-3T3**	NIH Swiss contact inhibited immortalized embryo cells
177.	**NIH-3T3-4E**	Tk^- clone of NIH-3T3 cells
178.	**NIH-3T3-HaSV**	HaSV transformed S^+L^- non-producing cells
179.	**NIH-3T3-MLV**	MLV-Moloney high-producing cells
180.	**NS0**	Non-Ig-producing BALB/c myeloma
181.	**P3/NS1/1-Ag4-1 (NS-1)**	Non-Ig-producing BALB/c myeloma
182.	**P3x63Ag8**	Non-Ig-producing BALB/c myeloma
183.	**P-388**	DBA/2 lymphoid leukemia, methylcholanthrene-induced.
184.	**P-815**	DBA/2 mastocytoma, methylcholanthrene-induced.
185.	**MS-37**	Polymorph-cell sarcoma, established from transplantable S-37 tumor strain (outbred albino mice)
186.	**SP2/0-Ag14**	Non-producing BALB/c myeloma
187.	**Swiss-3T3**	Fibroblasts of Swiss albino mice, immortalized
188.	**WEHI-164CL3**	Cell line from methylcholanthrene-induced fibrosarcoma of BALB/c mouse
189.	**WEHI-3B**	Mouse BALB/c myelomonocytes
190.	**YAC-1**	MLV-Moloney-induced lymphoma of A/Sn mice, MLV-producing, XC-cells positive
191.	**160(OV_4)**	Hybridoma, anti-human CD4
192.	**OV-1 (SP2F)**	Hybridoma, anti human - CD4
193.	**HO-13-4-9**	Hybridoma, anti mouse – CD90
194.	**RL 174**	Hybridoma, anti mouse – CD4

CELL LINE OF OTHER SPECIES OF ANIMALS

195.	**B95-8**	Marmoset **monkey** peripheral blood lymphocytes, EBV-producing
196.	**BHK-21 (C-13)**	**Hamster** embryo kidney
197.	**BT-3**	**Dog** breast cancer
198.	**C-54**	**Dog** breast cancer
199.	**ChF**	**Chicken** embryo fibroblasts
200.	**CHO-K1**	**Hamster** Chinese ovary
201.	**DBC-1**	**Dog** breast cancer
202.	**DPC**	**Dog** prepucium cancer
203.	**EPC**	Epithelioma Papulosum **Cyprini (Fish)**
204.	**Cf2Th**	**Dog** fetal thymus
205.	**FLK-D12VP**	**Ovine** kidney cells, high-producing of BLV
206.	**HE-239**	**Hamster** embryo fibroblasts, transformed by SV40 ts-mutant
207.	**MA-104**	Immortal embryo kidney of African rhesus **monkey**
208.	**MDBK (NBL-1)**	Normal adult **bovine** kidney
209.	**MDCK**	**Dog** Cocker Spaniel kidney
210.	**Mv1Lu (NBL-7)**	**Mink** lung, immortalized
211.	**MvLu-KiSV**	$S^{+}L^{-}$clone of **mink** lung cells, transformed by Ki-MSV
212.	**MvLu-R4.2**	**Mink** lung, clone with high TGF-bR
213.	**PAE**	**Porcine** aortic endothelium
214.	**RK_{13}**	**Rabbit** kidney cells, immortalized
215.	**SIRC**	**Rabbit** corneal endothelium
216.	**SPEV**	**Porcine** kidney, immortalized
217.	**Tb1Lu (NBL-12)**	**Bat** lung, immortalized
218.	**VERO**	Kidney of African Green **monkey,** immortalized

BANK OF TRANSPLANTABLE TUMORS

TUMORS OF MICE

N	***DESIGNATION***	***MOUSE***	***COMMENTS***
219.	**3LL**	C57BL	Lewis lung carcinoma
220.	**AKATOL-1-71**	BALB/c	Colon tumor
221.	**AKATON**	BALB/c	Tumor of intestine
222.	**B-16**	C57BL/6	Malignant melanoma
223.	**Ca 755**	C57BL/6	Mammary adenocarcinoma
224.	**EAC**	outbred albino	Ehrlich ascitic cancer, (mammary adenocarcinoma)
225.	**EHS**	BALB/c	Engelbreth-Holm-Swarm sarcoma
226.	**EL-4**	C57BL/6	DMBA induced T-cell lymphoma
227.	**H-61**	C3H	Tubecular hepatoma
228.	**KSMZH**	A	Mammary adenocarcinoma
229.	**L1210**	DBA/2	MX- induced lymphoid leukemia
230.	**La**	C57BL/6 (BDF_1)	X-ray induced lymphoid leukemia
231.	**MH-22**	C3H/A	Hepatoma
232.	**Moloney**	BALB/c	J.Moloney-MSV-induced sarcoma
233.	**MOPC-406**	BALB/c	Mineral oil induced plasmacytoma
234.	**NK/Ly**	C3H/A	Spontaneous lymphoid leukemia
235.	**P388**	DBA/2	MX-induced lymphoid leukemia
236.	**PRZH**	CC57Br	DMBA-induced stomach cancer
237.	**RL-67**	C57BL(BDF_1)	Lung cancer
238.	**Rauscher**	BALB/c	F.Rauscher-MLV-induced leukemia
239.	**RSHM-5**	CBA	MX-induced cervical cancer
240.	**S 180**	outbred albino	Low-differentiated sarcoma
241.	**S-37**	outbred albino	Polymorph-cell sarcoma (mammary tumor)

TRANSPLANTABLE TUMORS OF RATS

242.	**H-27**	Low-differentiated hepatoma
243.	**ILK**	DMBA-induced leukemia
244.	**McA-RH8994**	Morris hepatoma (Fisher rats)
245.	**OT**	Ovary tumor
246.	**Pliss**	Pliss's lymphosarcoma
247.	**PS-1**	AAF-induced hepatocholangioma (mucous cancer of hepar)
248.	**S-45**	DMBA-induced fusiformcell sarcoma
249.	**Shay**	Shay's chloroleukemia
250.	**Svec**	Svec's erythromyelosis
251.	**T8(Guerin)**	Guerin's adenocarcinoma of uteri
252.	**W-256**	Walker's carcinosarcoma of mammary gland
253.	**ZAG**	Zajdela's ascitic hepatoma

BANK OF CELL LINES
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