Paper

Cytogenet Genome Res 1975;14:470-475

Appendix 2

Cell cultures with chromosomal aberrations — July 1974 — available from the Human Genetic Mutant Cell Repository

A.E.		Greene
R.C.		Miller
L.L.		Coriell

Institute for Medical Research, Camden, N.J.

The Human Genetic Mutant Cell Repository has been established at the Institute for Medical Research, Camden, New Jersey, to store, in liquid nitrogen, cell cultures from individuals with chromosomal aberrations and/or biochemical variants, together with normal cells. The cultures will be available to investigators for research, diagnosis, teaching, and treatment of genetic diseases. A high priority has been given to the collection and storage of cells with chromosomal abnormalities that can be useful in cell hybridization studies leading to gene mapping. Many of the cultures stored in the Repository have been used in experiments reported at both the First and Second International Workshops on Human Gene Mapping. The following is a list of cell cultures available from the Repository as of July 1974. Individuals desiring to submit biopsies from documented cases are encouraged to contact the Repository. Cultures may be stored in liquid nitrogen at the Repository until released for distribution by the submitting investigator. All requests for information or for cell cultures should be referred to:

Dr. Arthur E. Greene

Human Genetic Mutant Cell Repository

Institute for Medical Research

Copewood Street

Camden, New Jersey 08103

Telephone: 609-966-7377

Supported by Contract No. NOI-GM-3-2112 from the National Institute of General Medical Sciences, National Institutes of Health, U.S. Public Health Service.

Chromosome Culture Donor Sex Passage

aberration designation age frozen

Miscellaneous Source
information

t(X;D)t(X;3)

GM-971 yr F 3

GM-194 19yr F 15

adult

t(X;14)

GM-73

GM-74

t(X;14)
23 yr M 10

t(X;19)
GM-89
adult
F
4

t(Y;14)
GM-145
1 wk
M
17

t(Y;15)
GM-118
29 yr
F
5

t(1;2)
GM-257
26 yr
F
3

td;15)
GM-126
22 yr
M
4

■

46,X,t(X;1)(q26;q12) Beckwith's syndrome 46,XX,t(X;3)(q28;q13)

46,X,t(X;14)(q32;q13) balanced translocation; mother of GM-74 47,XY,+der(14)(q32;q13) mat;
son of GM-73; Kline-felter's syndrome 46,X,t(X;19)(q2;q13 or p13) retarded female

46,X,t(Yp+;14q-)

46,XX,t(Y;15)(q11;p1)

46,XX,t(1;2)(q32;p25)

46,XY,t(1;15)(p36;q1)

H. Punnett, St. Christopher's Hospital, Philadelphia, Pa. H.P. Klinger, A. Einstein College of
Medicine, Bronx, N.Y. (culture) A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki
F.H. Ruddle, Yale University, New Haven, Conn.

F.H. Ruddle, Yale University, New Haven, Conn.

P.S. Gerald, Children's Hospital Medical Center, Boston, Mass.

E. Krompotic, Mt. Sinai Hospital, Chicago, Ill.

N. Hahnemann, Rigshospitalet,
Copenhagen

O. Alf, Children's Hospital
of Los Angeles, Calif.

F. Hecht, University of Oregon, Portland, Ore.

Chromosome Culture Donor Sex Passage
aberration designation age frozen

Miscellaneous Source
information

t(1;17) GM-201 13yr F 10

t(2;4) GM-501 5yr M 3

t(2;8) GM-327 24yr M 4

t(4;11) GM-380 33yr F 2

t(4;11) GM-157 28yr M 11

t(4;21) GM-98 10mo M 5

t(6;21) GM-144 34 yr F 5

t(7;10) GM-44 6 yr M 5

t(8;12) GM-213 35yr M 5

t(10;17) GM-216 29yr M 4

47,XX,+21,t(1;17)(p32;p13)

46,XY,t(2;4)

46,XY,t(2;8)(q11;q24)

46,XX,t(4;11)(q25;q13)

49,XXXXY,t(4;11)(q35;q23)

46,XY,der(21),t(4;21)(p11;p12)

46,XX,der(6),t(6;21)(p25;q11)

46,XY,t(7;10)(p2;q11) Smith-Lemli-Opitz syndrome 46,XY,t(8;12)(p23;p11)

46,XY,t(10;17)(q24;p13)

A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki

P. Bowen, University of Alberta, Edmonton, Alberta R. Worton, Hospital for Sick Children, Toronto

B. Kousseff, Mt. Sinai School of Medicine, New York, N.Y. A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki

M. Seabright, Salisbury Pathology Service, Salisbury, Wilts. D.S. Borgaonkar, Johns Hopkins University, Baltimore, Md.

R.C. Miller, Institute for Medical Research, Camden, N.J. C.C. Lin, University of Calgary, Alberta

W. Mellman, University of Pennsylvania, Philadelphia, Pa.

GM-17

t(10;17) t(14;15) t(14;22)

t(15;18)

t(17;19)

t(17;22)

Inversion 4 Inversion 4 Inversion 9 Inversion 9 Inversion 9 Inversion 9

GM-217 9d M 6

GM-479 35yr F 12

GM-5 30yr F 5

2½ yr M

28yr

GM-271

GM-119

31 yr

F

4

GM-413

1yr

M

4

GM[^]*14

24yr

F

4

GM-445

26yr

M

5

GM-447

1 yr

M

5

GM-450

33yr

M

5

GM-453

24yr

F

5

46,XY,der(17),t(10;17)

(q24;pl3)pat

45,XX,t(14;15)

45,XX,t(14q;22q) Robert-sonian translocation; normal phenotype

45,XY,t(15;18)(ql;q23) multiple congenital abnormalities 46,XX,t(17;19)(q23;pl3)

46,XX,t(17;22)(pl3;ql1)

46,XY,inv(4)(pl4;q22)

46,XX,inv(4)(pl4;q22) normal phenotype 46,XY,inv(9)(pl;q13)

46,XY,inv(9)(pl;q13)

46,XY,inv(9)(p1;q13)

46,XX,inv(9)(p1;q13)

W. Mellman, University of Pennsylvania, Philadelphia, Pa. M. Golbus, University of California at San Francisco, Calif. F.H. Ruddle, Yale University, New Haven, Conn.

D. Borgaonkar, Johns Hopkins University, Baltimore, Md.

K. Hirschhorn, Mt. Sinai

School of Medicine, New York,
N.Y.

N. Macintyre, Case Western
Reserve University, Cleveland,
Ohio

F. Hecht, University of Oregon,
Portland, Ore.

F. Hecht, University of Oregon,
Portland, Ore.

A. de la Chapelle, Folkhälsan
Institute of Genetics, Helsinki

A. de la Chapelle, Folkhälsan
Institute of Genetics, Helsinki

A. de la Chapelle, Folkhälsan
Institute of Genetics, Helsinki

A. de la Chapelle, Folkhälsan
Institute of Genetics, Helsinki

Chromosome aberration	Culture designations	Donor age	Sex	Passage frozen
Miscellaneous information	Source			

Inversion 10	GM-446	26 yr	M	5
--------------	--------	-------	---	---

Inversion 10	GM-448	1 yr	M	5
--------------	--------	------	---	---

Inversion 10	GM-452	22 yr	M	7
--------------	--------	-------	---	---

Monosomy	GM-137	5½ yr	M	4
----------	--------	-------	---	---

Monosomy 21

GM-230

14 mo

F

9

Trisomy D

GM-85

2wk

M

5

Trisomy 18

GM-143
 3 mo
 F
 3
 Trisomy 21
 GM-258
 1 mo
 M
 5
 Trisomy 21
 GM-260
 11 yr
 M
 9
 mosaic

Triplo-X fetus
 GM-254
 10 wk
 F
 8
 46,XY,inv(10)(pll;q11)
 46,XY,inv(10)(pll;q21) congenital malformation 46,XY,inv(10)(pll;q21)
 45,XY,-21 growth and psychomotor retardation plus multiple congenital abnormalities 45,XX,-21
 46,XY,-D,t(D;D)
 47,XX, + 18
 47,XY,+21
 46,XY/47,XY,+21
 47,XXX; fetal skin
 A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki A. de la Chapelle, Folkhälsan
 Institute of Genetics, Helsinki A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki H.P.
 Klinger, Albert Einstein College of Medicine, Bronx, N.Y.
 M. Mahoney, Yale University, New Haven, Conn. E. Zackai, Children's Hospital, Philadelphia,
 Pa. H. Punnett, St. Christopher's Hospital, Philadelphia, Pa. W. Mellman, University of
 Pennsylvania, Philadelphia, Pa. W. Mellman, University of Pennsylvania, Philadelphia, Pa. H.P.
 Klinger, Albert Einstein College of Medicine, Bronx, N.Y.

XXXXY	GM-326	6yr	M	3
Duplication X	GM-314	60yr	F	16
Isochromosom	GM-88	19yr	F	4
Turner's	GM-339	25yr	F	3

del(1)(q42)	GM-214	2yr	M	7
Wolfe's	GM-72	11 yr	M	15
Cri du chat	GM-71	adult	F	15
Cri du chat	GM-344	6 yr	M	4
Ring 6	GM-109	2yr	F	7
Ring 9	GM-166	6 yr	M	4
Ring 13	GM-890	1 yr	F	4
Ring 13 or 14	GM-285	4d	M	3
45,XO/46,XY	GM-189	15yr	(F)	4

female

(gonadal

49,XXXXY

45,X/46,X,dup(X)

46,X,i(Xq) Turner's syndrome

45,X/46,X,i(Xq)

46,XY,del(1)(q42)

46,XY,del(4p-)

46,XX,del(5)

46,XY,del(5),t(5;15)

46,XX,r(6)

46XY,r(9) multiple congenital abnormalities 46,XX,r(13)

46,XY,r(13 or 14)

biopsy from end of fallopian tube

M. Siniscalco, Sloan-Kettering Institute, New York, N.Y. A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki D.S. Borgaonkar, Johns Hopkins University, Baltimore, Md. A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki A. de la Chapelle, Folkhälsan Institute of Genetics, Helsinki W.R. Breg, Southbury Training School, Southbury, Conn. W.R. Breg, Southbury Training School, Southbury, Conn. L. Jackson, Jefferson College of Medicine, Philadelphia, Pa. G.H. Thomas, John F. Kennedy Institute, Baltimore, Md. H. Punnett, St. Christopher's Hospital, Philadelphia, Pa. W. Mellman, University of Pennsylvania, Philadelphia, Pa. H. Punnett, St. Christopher's Hospital, Philadelphia, Pa. W. Mellman, University of Pennsylvania, Philadelphia, Pa.