Addendum

Cell Cultures with Chromosomal Aberrations – July 1973 – Available from the Human Genetic Mutant Cell Repository

A.E.		Greene
------	--	--------

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, biochemical variants together with normal cells. These 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. Several of the cultures stored in the Repository have been used in experiments reported upon at this workshop. The following is a list of those cells available from the Repository as of July 1973. Individuals desiring to submit biopsies from documented cases are encouraged to contact the Repository. 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. N01-GM-3-2112 from the National Institute of General Medical Sciences, U. S. Public Health Service.

Aberration	Culture	Donor	Passage
Designation	Age	Sex	Frozen
t(X;l)	GM-97		
t(l;17)	GM-201		
Trisomy 21	GM-258		
Cri-du-chat	GM-71		
Cri-du-chat	GM-72		
Ring 6	GM-109		
t(14;22)	GM-5		
t(15;18)	GM-17		
del(1)(q42)	GM-214		
1	F	3	
13	F	10	
1	mo.	M	5
adult	F	15	
11	M	15	
2	F	7	
30	F	5	

2-1/2 M 4
2 M 7

Miscellaneous Information

patient diagnosed as having Beckwith's syndrome

46,XX; balanced translocation

47,X^Y,+21 46,XX,del(5)

46,XY,del(4p-)

46,XX,r(6)

45,XX,t(14q;22q); normal phenotype

45,XY,t(15;18)(q1;q23); multiple congenital abnormalities 46,XY,del(1)(q42)

Source

H. Punnett,

St. Christopher's Hospital,

Phila., Pa.

A. DE LA CIEPELLE,

Folkhälsan Institute of

Genetics, Helsinki, Finland

W. Mellman, Univ. of

Pennsylvania, Phila., Pa.

W. R. Breg, Southbury

Training School, South-

bury, Conn. 7/8-

W. R. Breg, Southbury

Training School, South-

bury, Conn. 1/8g

G. H. Thomas,

John F. Kennedy Institute,

Baltimore, Md.

F. H. Ruddle, Yale Univ.,

New Haven, Conn.

D. BORGAONKAR,

Johns Hopkins Univ., Baltimore, Md.

A. DE LA CIEPELLE,

Folkhälsan Institute of Genetics, Helsinki, Finland

Aberration CultureDonor Passage

Designation Age Sex Frozen

Miscellaneous Information

to

Source *

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

Trisomy 18 GM-143 3 mo. F 3

Triplo-X fetus GM-254 10 wk. F 8

Trisomy 21

GM-260

11

M

(mosaic)

t(X;14)

GM-73

adult

F

t(X;14)GM-7423 M 10

t(X;19)GM-89F 4

t(4;21) GM-9810 mo. M 5

t(1;15) GM-126 22 M 4

t(14;21) GM-145 1 wk. M 17

46,XY; balanced translocation

46,XX, + 18

47,XXX; fetal skin

approximately 25 % of the
cells have 47 chromosomes

46,X,t(X;14)(q32;q13);

balanced translocation,

mother of GM-74

47,Y, + der(14)(q32;q13) mat;

son of GM-73, Klinefelter's

syndrome

phenotypically abnormal

W. Mellman, Univ. of

Pennsylvania, Phila., Pa.

H. Punnett,

St. Christopher's Hospital,

Phila., Pa.

H. P. Klinger, A. Einstein

College of Medicine,

Bronx, N.Y.

W. Mellman, Univ. of

Pennsylvania, Phila., Pa.

F. H. Ruddle, Yale Univ., &

New Haven, Conn. g

C

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

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

Pathology Service, Salisbury, Wilts., England F. Hecht, Univ. of Oregon, Portland, Ore. E.

Krompotic, Mt. Sinai Hospital, Chicago, Ill.

Aberration CultureDonor Passage Miscellaneous Information Source

Designation Age Sex Frozen

M
11
5 4
M
t(17;22)
31
GM-119
t(4;11)
GM-157 28
t(D;D), trisomy D GM-85 2 wk. M
Isochromosome X GM-88 19 F
t(6;21)
GM-144 34
Ring 9
GM-166
15
45,XO/46,XY GM-188
mosaic phenotype
(gonadal dysgenesis)
t(X;3) GM-194
19
normal phenotype
49,XXXXY,t(4;11)(q35;q23)
46,XXq1; Turner's syndrome
46,XX with Down's syndrome
4 46,XY,r(9); multiple congenital
anomalies
4 biopsy from the end of the
fallopian tube
3 (IMR) actual passage number unknown
N. Macintyre, Case Western Reserve Univ., Cleveland, Ohio
A. DE LA CHAPELLE,
Folkhälsan Institute of Genetics, Helsinki, Finland E. Zackai, Children's Hospital, Phila., Pa.
D. S. BORGAONKAR,
Johns Hopkins Univ., Baltimore, Md.
D. S. BORGAONKAR,
Johns Hopkins Univ.,
Baltimore, Md.
H. Punnett,
St. Christopher's Hospital,
Phila., Pa.
W. Mellman, Univ. of
Pennsylvania, Phila., Pa.
H. P. Klinger, A. Einstein College of Medicine, Bronx, N.Y. (culture); A. de la Chapelle, Folk-
hälsan Institute of Genetics, Helsinki, Finland (biopsy)
> c c

3

α

c

Aberration		Culture	Donor	Passage
Designation	Age	Sex	Frozen	
Monosomy 21		GM-137	5½	M 4
Monosomy 21		GM-230	14 mo.	F 9

Miscellaneous Information

45,XY,—21; growth- and psychomotor-retardation plus multiple congenital defects
45,XY,-21

Source

H. P. Klinger, A. Einstein
College of Medicine,
Bronx, N.Y.
M. Mahoney, Yale Univ.
School of Medicine,
New Haven, Conn.

(biopsy)

>

3C