

Immunoglobulin M Antibody Response to Measles Virus Following Primary and Secondary Vaccination and Natural Virus Infection. *J.Med.Virol.* 41, 44-48.

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6. APPENDICES

LIST OF ABBREVIATIONS

α	anti
AMV	Avian Myeloblastosis Virus
AP	Alkaline Phosphatase
CPE	cytopathic effects
CSF	cerebrospinal fluid
dNTP	desoxyribonucleoside triphosphate
EBV	Epstein Barr virus
EtOH	Ethanol
EMEM	Eagle's minimum essential medium
BSA	Bovine serum albumin
F	fusion
FCS	foetal calf serum
GTG	glycerol tolerant gel buffer
h	hour
H	hemagglutinin
HMA	Heteroduplex Mobility Assay
IPTG	isopropyl B-D-thiogalactopyranoside
LB	Luria Broth
mAb	monoclonal antibody
min	minutes
MV	measles virus
N	nucleocapsid
NaN ₃	Sodium azide
o/N	over night
PAGE	Polyacrylamide gel electrophoresis
PBS	Phosphate buffered saline
PCR	Polymerase chain reaction
pi	Post infection
PVDF	polyvinylidene difluoride
RFLP	Restriction Fragment Length Polymorphism
rpm	rounds per minute
RT	Reverse transcription
SDS	sodium dodecyl sulfate
SN	supernatant
TBE	Tris Boric acid EDTA buffer
TS	Throat swab
TC	Tissue culture
U	Unit
V	volt
X-Gal	5-bromo-4-chloro-3-indolyl-B-galactoside

MEASLES VIRUS STRAINS PREVIOUSLY DESCRIBED:

Strain	Year	Location	Description	Accession No.
Edm wt	1954	Bethesda, USA	Edm. wild-type	U01987
EZ			Edm.-Zagreb vaccine	U03658
Len16	1960	Russia	Leningrad 16 vaccine strain	U03661
Mor	1964	USA	Moraten vaccine	U01999
Schw			Schwarz vaccine	U03668
AIK-C			Edm. derived vaccine	K01711
Ph26	1957	Philadelphia, USA	Philadelphia 26 strain	U01991
Chg47	1957	China	Changchun 47 vaccine	U03653
Hln	1962	Turku, Finland	Halonen strain	U01996
CAM70	1968	Japan	Vaccine from Tanabe strain	U03650
Hu2	1971	Northern Ireland	Schw.vaccine related case	D01011
Hal	1971	USA	Halfe SSPE isolate	X13480
Y22	1983	Cameroon	wt	D01010
Y14	1983	Cameroon	wt	U01998
NY94	1994	New York, USA	wt	L46753
R96	1984	Gabon	wt	U01994
R118	1984	Gabon	wt	D01009
R103	1984	Gabon	wt	U01992
R113	1984	Gabon	wt	U01993
SIP3A	early 1970s	USA	SSPE	X16566
MF	early 1970s	Europe	SSPE	X84882
S(A)	mid 1980s	Germany	SSPE	X16567
S(K)	1970/1981	Germany	SSPE	X84883
SVia81	1970/1981	Madrid, Spain	SSPE	X84866
JM77	1977	Bethesda, USA	wt	D01002
WTF	1980	Erlangen, Germany	wt, case Fleckenstein	X84872
BlI	1991	The Netherlands	wt	X84878
Neth91	1991	Bilthoven, Netherlands	wt	L46748
DL	1992	Germany	wt	X84873
Ma93F	1993	Madrid, Spain	wt, case FV	X84871
LB	1993	Germany	wt	X84880
IL64	1994	Chicago, USA	wt	L46740
TN94	1994	Tennessee, USA	wt	L46760
SB1	1992	Bonn, Germany	wt	X84874
MVO	1974	Bristol, UK	wt	D01004
MVP	1974	Bristol, UK	wt	D01005
S33	1983	Northern Ireland	SSPE	D01008
S81	1986	Northern Ireland	SSPE	D01007
SE	1988	Birmingham, UK	wt	
CL	1988	Birmingham, UK	wt	
TT	1991	London, UK	wt, Kawasaki case	
Chi1	1989	Chicago, USA	wt	U01977
Chi2	1989	Chicago, USA	wt	U01978
SD	1989	San Diego, USA	wt	U01995
JK	1990	Dallas, Texas, USA	MIBE	U01998
PA2-90	1990	Pennsylvania, USA	wt	L46756
TX92	1992	Corpus Christi, Texas, USA	wt	L46764

Measles virus strains previously described, continued:

Guam94	1994	Guam Island, Pacific, USA	wt	L46735
Ma94a	1994	Madrid, Spain	wt	
NJ1-94	1994	New Jersey, USA	wt	L46750
Co94	1994	Colorado, USA	wt	L46728
WA94	1994	Seattle, Washington, USA	wt	L46767
NE94	1994	Omaha, Nebraska, USA	wt	L46746
Pal94	1994	Palau Islands, Pacific, USA	wt	L46758
WFK	early 1970s	Woodfolk, USA	wt	X84877
Brx	1971	Germany	encephalitis case	X84879
S(C)	1981	USA	MIBE	X16569
CM	1977	Bethesda, USA	wt	D01003
SMA79	1967/1979	Madrid, Spain	SSPE	X84864
SMA94	1968/1994	Madrid, Spain	SSPE	X84865
BE83	1983	Berkely, USA	wt	U01974
BO83	1983	Boston, USA	wt	U01990
Gam91	1991	Gambia	wt	L46733
Can	1989	Montreal, Canada	wt	U01976
PK89H-1	1989	Pakistan	wt	AB003182
PK89-H2	1989	Pakistan	wt	AB003179
Ca96	1996	unknown (USA)	wt	AF009596
TX96	1996	Italy (USA)	wt	AF000594
Ma96-1	1996	unknown (USA)	wt	AF009591
Co95	1995	unknown (USA)	wt	AF009587
Thai93	1993	Thailand	wt	AF009580
NM95	1995	unknown (USA)	wt	AF009574
NY96	1996	Germany (USA)	wt	AF009586
Thai94	1994	Thailand	wt	AF009575
Mad79	1979	Spain	wt	Z80831
CGL	1994	Spain	wt	Z80822
AGR	1993	Spain	wt	Z80818
WTFV	1992	Germany	wt	Z80309
CAME83H	1983	Cameroon	wt	L46726
TX89-H	1989	Texas, USA	wt	L46761
Pal93	1993	Palau	wt	L46757
Eng93	1993	England	wt	L46729
Ca90	1990	California, USA	wt	L46725
Davis87	1987	USA	wt	U97349
EBL85Jp	1985	Japan	wt	Z80803
AMH781				
AB93Ger	1993	Germany	wt	Z80794
ABP94	1994	Spain	wt	Z80816
Zam92A11	1992	Zambia	wt	U72232
Zam92A43	1992	Zambia	wt	U72233
Gam94X914	1994	Gambia	wt	U72214
Gam94X920	1994	Gambia	wt	U72220
Gam95X1247	1995	Gambia	wt	U72231
Cov#041	1993	England	wt	U72213

ETHICS CLEARANCE

Ethics clearance for collection of throat swab and urine specimens has been obtained from the **COMMITTEE FOR RESEARCH ON HUMAN SUBJECTS (MEDICAL)**, University of Witwatersrand, Johannesburg on 26/1/96 under reference number **R14/49 Kreis** and protocol number **M 960105**.

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