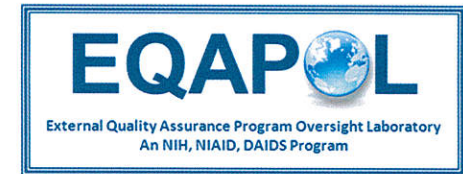


## Certificate of Analysis

The EQAPOL Genetic Diversity Panel is comprised of 50 circulating strains of HIV from around the world. These strains have been fully characterized and expanded and diluted in defibrinated plasma at approximately 10<sup>4</sup> copies/mL. These samples can be used as a validation and/or quality control tool.

Sample Name	Genotype	Country of Origin	Donation Year	Infection Stage	Age	Sex	Race	Risk	Transmission Route	GenBank Information	Co-Receptor
DEMA106ES002.D1	A1	Spain	2006	UNK	32	M	UNK	UNK	UNK	JX140651	R5
DEMA105TZ001.D1	A1	Tanzania	2005	Chronic	21	M	UNK	UNK	UNK	JX140650	X4
DEURF09ES005.D1	URF_A1B	Spain	2009	UNK	31	M	UNK	UNK	UNK	JX140678	R5
DEURF10US008.D1	URF_A1B	USA	2010	I/II	18	M	UNK	UNK	UNK	KC473836	R5
DEURF09GQ001.D1	ADG	Guinea	2009	UNK	36	M	UNK	UNK	HT	KC473845	R5
DEMB09BO001.D1	B	Bolivia	2009	Acute	33	M	UNK	UNK	UNK	JX140656	R5
DEMB05FR001.D1	B	France	2005	II/III	UNK	UNK	UNK	UNK	UNK	JX140652	R5
DEMBXXDE001.D1	B	Germany	UNK	I/II	UNK	UNK	UNK	UNK	UNK	KC596067	R5
DEMB03JP004.D1	B	Japan	2003	I/II	UNK	UNK	UNK	UNK	UNK	KC473846	R5
DEMBXXPL001.D1	B	Poland	UNK	II	UNK	UNK	UNK	UNK	UNK	KC596069	R5
DEMB08ES001.D1	B	Spain	2008	Acute	30	M	UNK	UNK	UNK	JX140653	R5
DEMB08UY001.D1	B	Uruguay	2008	Acute	35	F	UNK	UNK	UNK	JX140655	R5
DEMB09US002.D1	B	USA	2009	I/II	UNK	UNK	UNK	UNK	UNK	JX140657	R5
DEMB10VE001.D1	B	Venezuela	2010	Acute	23	M	UNK	UNK	MSM	JX140659	R5
DEURF07BR002.D1	URF_BC	Brazil	2007	V	UNK	UNK	UNK	UNK	UNK	KC596068	R5
DEMBF09ES003.D1	BF	Spain	2009	UNK	25	M	UNK	UNK	UNK	JX140660	R5
DEMBF09ES006.D1	BF	Spain	2009	Acute	27	M	UNK	UNK	UNK	JX140661	R5
DEMC07AO001.D1	C	Angola	2007	UNK	26	F	UNK	UNK	UNK	JX140662	R5
DEMC07BR003.D1	C	Brazil	2007	VI	UNK	UNK	UNK	UNK	UNK	JX140663	R5
DEMC08NG001.D1	C	Nigeria	2008	UNK	27	M	UNK	UNK	UNK	JX140665	R5
DEMC09ZA009.D1	C	South Africa	2009	I/II	28	M	Asian	UNK	UNK	JX140668	R5
DEMC06ES003.D1	C	Spain	2006	Acute	62	F	UNK	UNK	HT	KC473844	R5
DE00109CN003.D1	CRF01_AE	China	2009	IV	47	M	UNK	UNK	MSM	KC596061	R5

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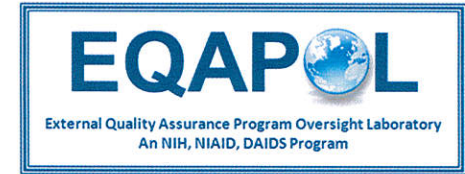


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Sample Name	Genotype	Country of Origin	Donation Year	Infection Stage	Age	Sex	Race	Risk	Transmission Route	GenBank Information	Co-Receptor
DE00206AO001.D1	CRF02_AG	Angola	2006	Recent	48	M	UNK	UNK	UNK	JX140645	R5
DE00208CM004.D1	CRF02_AG	Cameroon	2008	VI	UNK	UNK	UNK	UNK	UNK	JX140647	R5
DE00208CM001.D1	CRF02_AG	Cameroon	2008	VI	UNK	UNK	UNK	UNK	UNK	JX140646	R5
DEURF07ES002.D1	CRF02_AG/A3	Spain	2007	Acute	25	M	UNK	UNK	UNK	JX140677	R5
DEURF10DZ001.D1	CRF02_AG/CRF06_cpx	Algeria	2010	UNK	32	M	UNK	UNK	UNK	JX140679	R5
DE00400GR002.D1	CRF04_CPX	Greece	2000	UNK	UNK	UNK	UNK	UNK	UNK	JX140648	R5/X4
DE01405BR001.D1	CRF14_BG	Brazil	2005	UNK	32	M	UNK	UNK	MSM	JX140649	R5/X4
DE01405ES002.D1	CRF14_BG	Spain	2005	Chronic	31	M	UNK	UNK	IDU	KC473837	R5/X4
DE02408ES002.D1	CRF24_BG	Spain	2008	Recent	39	M	UNK	UNK	MSM	KC473838	R5
DE04708ES004.D1	CRF47_BF	Spain	2008	Acute	25	M	UNK	UNK	HT	KC473840	R5
DE04708ES003.D1	CRF47_BF	Spain	2008	Acute	43	M	UNK	UNK	MSM	KC473839	R5/X4
DEMD10CM009.D1	D	Cameroon	2010	VI	UNK	UNK	UNK	UNK	UNK	JX140670	R5/X4
DEMF110ES001.D1	F1	Spain	2010	Recent	46	M	UNK	UNK	Bisexual	JX140671	R5
DEMF210CM001.D1	F2	Cameroon	2010	VI	UNK	UNK	UNK	UNK	UNK	JX140672	R5
DEMG09ES002.D1	G	Spain	2009	Acute	56	M	UNK	UNK	UNK	JX140675	R5
DEMB10ES002.D1	B	Spain	2010	Acute	36	M	UNK	UNK	MSM	KC473842	R5
DEMB09CN002.D1	B	China	2009	Chronic	39	M	UNK	UNK	HT	KC596066	R5
DEMB10US001.D1	B	USA	2010	I/II	21	M	UNK	UNK	UNK	KC473825	R5
DEMB10ES003.D1	B	Spain	2010	Acute	34	M	UNK	UNK	Bisexual	KC473843	R5
DEOXXDE004.D1	O	Germany	UNK	UNK	UNK	UNK	UNK	UNK	UNK	KF859742	R5
DEOXXES001.D1	O	Spain	UNK	UNK	UNK	UNK	UNK	UNK	UNK	KF859743	R5
DEOXXUS001.D1	O	USA	UNK	UNK	UNK	UNK	UNK	UNK	UNK	KF859744	R5
DEMB10US004.D1	B	USA	2010	VI	45	M	UNK	UNK	UNK	KC473827	R5
DEMD07UG002.D1	D	Uganda	2007	I	UNK	M	UNK	UNK	HT	KC596071	R5
DEMD08UG001.D1	D	Uganda	2008	I	UNK	F	UNK	UNK	HT	KC596072	R5
DEURF07UG006.D1	AD	Uganda	2007	I	UNK	F	UNK	UNK	HT	KC596073	R5
DEMB10CN002.D1	B	China	2010	Chronic	26	M	UNK	UNK	MSM	JX140658	R5



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### Notes

All oral presentations or written publications concerning research utilizing EQAPOL samples should include the following acknowledgement: "This work has been supported in whole or part with federal funds from the National Institute of Allergy and Infectious Diseases, National Institutes of Health, Contract Number NOI-AI-85341." The provider(s) of source material should also be acknowledged in oral presentation and written publications.

A handwritten signature in black ink, appearing to be "S. Q.", written over a horizontal line.

Quality Assurance Signature

A handwritten date "31/OCT/2014" in black ink, written over a horizontal line.

Date