

IMMUNOLOGY

TEST CODE	DESCRIPTION	Details	APPLICATION	METHOD
	LTE4	Urine Leukotriene E4	Asthma, Montelukast companion Dx, Clinical Trials	LC-MS-MS
	EliSpot, Beryllium Sensitization	Interferon γ release immune stimulation assays	Beryllium Disease	EliSpot
	EliSpot, HIV		HIV immunity, Clinical Trials	EliSpot
CUSTOM	EliSpot, Custom application		Vaccine & drug efficacy (Clinical Trials), immune sensitization	EliSpot
	Farr Assay	Anti-DNA Abys	Autoimmune disease, Clinical Trials	Radioactive Immunoprecipitation
METLT	Lymphocyte Proliferation Test, Chromium	Lymphocyte Stimulation	Immune sensitization	Lymphocyte Prolif. Test (LPT)
METLT	Lymphocyte Proliferation Test, Zirconium	Lymphocyte Stimulation	Immune sensitization	Lymphocyte Prolif. Test (LPT)
METLT	Lymphocyte Proliferation Test, Aluminum	Lymphocyte Stimulation	Immune sensitization	Lymphocyte Prolif. Test (LPT)
METLT	Lymphocyte Proliferation Test, Nickel	Lymphocyte Stimulation	Immune sensitization	Lymphocyte Prolif. Test (LPT)
CUSTOM	Lymphocyte Proliferation Test, Custom application	Lymphocyte Stimulation	Immune sensitization, Immunodeficiency, Clinical Trials	Lymphocyte Prolif. Test (LPT)
CUSTOM	Lymphocyte Proliferation Test, Drug, client specified	Lymphocyte Stimulation	Immune sensitization, Immunodeficiency, Clinical Trials	Lymphocyte Prolif. Test (LPT)
CUSTOM	Lymphocyte Proliferation Test, Antigen, client specified	Lymphocyte Stimulation	Immune sensitization, Immunodeficiency, Clinical Trials	Lymphocyte Prolif. Test (LPT)
CUSTOM	Basophil activation, custom application		Clinical Trials	

COMPLEMENT

TEST CODE	DESCRIPTION	Details	APPLICATION	METHOD	
ANTCF	Animal CH50	Complement	Pre-Clinical Trials, Studies. Species: Primates, rabbits, rats, guinea pigs, dogs	Hemolytic assay	
CUSTOM	<i>In vitro</i> testing for complement activation, custom	Serum, plasma, whole blood with Lepirudan anticoagulant	Pre-Clinical Trials, Studies. Custom studies for many species and for solid, particulate, or soluble activators or inhibitors.	Multiple methods: complement activity, & activation markers. Others.	
ANBBL	Animal Bb Level	Complement	Pre-Clinical Trials, Studies. Species: NHP (non human primates)	ELISA	
	Animal C1q	Complement	Pre-Clinical Trials, Studies. Species: NHP, rats, rabbits, dogs, guinea pigs, mice		
ANC3F	Animal C3 Function	Complement	Pre-Clinical Trials, Studies. Species: Primates, rats, rabbits, guinea pigs, dogs.	Hemolytic assay	
ANC3L	Animal C3 Level	Complement	Pre-Clinical Trials, Studies. Species: Primates, rats, rabbits, guinea pigs, dogs, mice	Radial Immunodiffusion	
ANC4F	Animal C4 Function	Complement	Pre-Clinical Trials, Studies. Species: Primates, rats, rabbits, guinea pigs, dogs.	Hemolytic assay	
ANC4L	Animal C4 Level	Complement	Pre-Clinical Trials, Studies. Species: Primates, rats, rabbits, guinea pigs, dogs, mice	Radial Immunodiffusion	
ANC5F	Animal C5 Function	Complement	Pre-Clinical Trials, Studies. Species: Primates, rats, rabbits, guinea pigs, dogs.	Hemolytic assay	
ANC5L	Animal C5 Level	Complement	Pre-Clinical Trials, Studies. Species: Primates, rats, rabbits, guinea pigs, dogs, mice	Radial Immunodiffusion	
ANTCF	Animal Total Complement	Complement	Pre-Clinical Trials, Studies. Species: Primates, rats, rabbits, guinea pigs, dogs.	Hemolytic assay	
C3ALE	Animal C3a Level	Complement	Pre- Clinical Trials, Studies Species: NHP	RIA or EIA	
C4ALE	Animal C4a Level	Complement	Pre- Clinical Trials, Studies Species: NHP	RIA or EIA	
C5ALE	Animal C5a Level	Complement	Pre- Clinical Trials, Studies Species: NHP	RIA	
		ELISA	LMX		
LIL1A	IL-1a	ILONEA	LILIAL	Clinical Trials, Studies	Luminex or ELISA
LIL1A	IL-1b	ILONEB	LIL1BL	Clinical Trials, Studies	Luminex or ELISA

COMPLEMENT

TEST CODE	DESCRIPTION			Details	APPLICATION	METHOD
		ELISA	LMX			
LIL1A	IL-2	ILTWO	LIL2L		Clinical Trials, Studies	Luminex or ELISA
	IL-3	IL3				
LIL1A	IL-4	IL4	LIL4L		Clinical Trials, Studies	Luminex or ELISA
LIL1A	IL-6	ILSIX	LIL6L		Clinical Trials, Studies	Luminex or ELISA
LIL1A	IL-7	IL7	LIL7L		Clinical Trials, Studies	Luminex or ELISA
	IL-8	IL8		Proteomics	Asthma, inflammatory disease, Clinical Trials	Luminex or ELISA
LIL10	IL -10	IL10	LIL10L		Clinical Trials, Studies	Luminex or ELISA
LIL12S	IL-12 (p70)	IL12	IL12FL		Clinical Trials, Studies	Luminex or ELISA
LIL12F	IL-12 (p40 free form)		IL12SL		Clinical Trials, Studies	Luminex or ELISA
LTNFA	TNF-alpha	TNFA	TNFAL		Clinical Trials, Studies	Luminex or ELISA
	TGF-beta			Proteomics	Asthma, inflammatory disease, Clinical Trials	Luminex or ELISA
LINFG	INF-gamma	INFGA	INFGAL		Clinical Trials, Studies	Luminex or ELISA
LMIP1B	MIP-1b		MIP1BL		Clinical Trials, Studies	Luminex or ELISA
IL18	IL-18	IL18		Cytokine Kidney Biomarker	Clinical Trials, Studies	ELISA
NGAL	Ngal (Neutrophil Gelatinase associated lipocalin)	NGAL		Cytokine Kidney Biomarker	Clinical Trials, Studies	ELISA
IP10	IP-10			Cytokine Kidney Biomarker	Clinical Trials, Studies	ELISA
LRANT	RANTES	RANTES			Clinical Trials, Studies	ELISA
	MMP-9			Proteomics	Asthma, inflammatory disease, Clinical Trials, Studies	Immunoassay
	TIMP-1			Proteomics	Asthma, inflammatory disease, Clinical Trials, Studies	Immunoassay
CUSTOM	Multiplex immunoassay, custom				Clinical Trials, Studies	Luminex or ELISA
CUSTOM	Cytokines, custom individual or panel				Clinical Trials, Studies	Luminex or ELISA
CEICR	C1-INH FUNCTION by Chromogenic assay			COMPLEMENT	STANDARD OF ASSAY IN EUROPE. CLINICAL TRIALS, STUDIES, HAE, AAE	CHROMOGENIC

MOLECULAR GENETIC TESTS

TEST CODE	DESCRIPTION (Gene Target)	ALLELE	APPLICATION	METHOD
	Filaggrin	R501X	Atopic Dermatitis (Asthma)	Sequencing
		2282del4	Atopic Dermatitis (Asthma)	Sequencing
	CYP 2D6 Genotype		Pharmacogenomics - Tamoxifen & other drugs	Multiplex Array
	Factor V	G1698A	Coagulation	Sequencing
	Factor II	G20210A	Coagulation	Sequencing
	MTHFR	C677T	Coagulation	Sequencing
	IFNGR1	Exon 1	PIDD	Sequencing
		Exon 2	PIDD	Sequencing
		Exon 3	PIDD	Sequencing
		Exon 4	PIDD	Sequencing
		Exon 5	PIDD	Sequencing
		Exon 6	PIDD	Sequencing
		Exon 7 – 5'	PIDD	Sequencing
		Exon 7 – 3'	PIDD	Sequencing
	BAFFR	1/Intron 1	PIDD	PCR
		Intron	PIDD	
		1/Exon 2	PIDD	PCR
		Intron 2	PIDD	PCR
		Exon 3 – 5'	PIDD	PCR
		Exon 3 – 3'	PIDD	PCR
	TAC1	Exon 1	PIDD	Sequencing
		Exon 2	PIDD	Sequencing
		Exon 3	PIDD	Sequencing
		Exon 4	PIDD	Sequencing
		Exon 5	PIDD	Sequencing
	ICOS	Exon 1	PIDD	Sequencing
		Exon 2	PIDD	Sequencing
		Exon 3	PIDD	Sequencing
		Exon 4	PIDD	Sequencing
		Exon 5	PIDD	Sequencing
	TCR	TRECS	PIDD	PCR
	Factor XII	C1032A	Hereditary Angioedema Type III, PIDD	Sequencing
		C1032G	Hereditary Angioedema Type III, PIDD	Sequencing

MOLECULAR & COMPLEMENT GENETIC TESTS

TEST CODE	DESCRIPTION (Gene Target)	ALLELE	APPLICATION	METHOD
	Factor H (CFH)	R1172X	aHUS, PIDD	Sequencing
		S1191L	aHUS, PIDD	Sequencing
		L1189R	aHUS, PIDD	Sequencing
		R1210C	aHUS, PIDD	Sequencing
		R1215G	aHUS, PIDD	Sequencing
		24bp del	aHUS, PIDD	Sequencing
		Y402H	AMD	Sequencing
		Intron 14	AMD	Sequencing
	C2 Type II	E318D	AMD, PIDD, Autoimmune	Sequencing
		Intron	AMD, PIDD, Autoimmune	Sequencing
	Factor B (CFB)	L9H	AMD	Sequencing
		R_Q	AMD	Sequencing
	HTRA1	-512G>A	AMD	Sequencing
	C3	C364G	AMD, aHUS, PIDD	Sequencing
	Factor I (CFI)	A>G	AMD, aHUS, PIDD	Sequencing
		G>C	AMD, aHUS, PIDD	Sequencing
	TLR3	L412F	AMD, PIDD	Sequencing
	ARMS2	S69A	AMD	Sequencing
		3'mRNA ins/del	AMD	Sequencing
	C8A	4	PIDD	Sequencing
	C8B	4	PIDD	Sequencing
	C8G	2	PIDD	Sequencing
	C4A	Copy number	PIDD, SLE	Real-time PCR
	C4B	Copy number	PIDD, SLE	Real-time PCR
	C2 type I		PIDD	PCR
	C9	R95X	PIDD	Sequencing
	Properdin		PIDD	Sequencing
CUSTOM	Multiplex genetic array			
	TREC's			