

Testing Available for Pre-Clinical and Clinical Trials

Complement Testing - Toxicology, CARPA, Anaphylaxis, Inflammation					GLP available
		Humans	Monkeys	Dogs	Rodents
Markers of Complement Activation	Bb	Bb	Bb	NT	NT
	C3a	C3a	C3a	NT	NT
	C4a	C4a	C4a	NT	NT
	C5a	C5a	C5a	NT	NT
	SC5b-9	SC5b-9	SC5b-9	NT	NT
Total Complement Function	Classical Pathway –CH50	CH50	CH50	CH50	CH50
	Alternative Pathway – AH50	AH50	AH50	AH50	AH50
Complement Component Levels & Function	C1s, C1q, C1r	C1 L/F*	C1 L/F	C1 L/F	C1 L/F
	C2	C2 L/F	C2 L/F	C2 L/F	C2 L/F
	C4	C4 L/F	C4 L/F	C4 L/F	C4 L/F
C3 Function can be used for dogs/rodents in place of C3a	C3	C3 L/F	C3 L/F	C3 L/F	C3 L/F
	C5	C5 L/F	C5 L/F	C5 L/F	C5 L/F
Terminal Pathway screen	C6, C7, C8, C9	C6-9 L/F	C6-9 L/F	C6-9 L/F	C6-9 L/F
Lectin Pathway	MBL Levels	MBL	MBL	NT	MBL
C1-Inhibitor Function, Chromogenic Assay or Standard EIA		C1-INH F	C1-INH F	NT	NT
C-Reactive Protein		CRP	CRP	NT	NT
*L/F indicates we can measure the level and the function of that component in that species. NT, species cross reactivity not tested.					
please inquire: Ashley Frazer-Abel, PhD 303-270-2546					
In vitro Complement Activations studies - Test and compare products or formulations before the expense of animal testing					GLP available
Can be an informative, cost saving step prior to testing in animals or humans. Can test nucleic acids, liposomes, biomaterials, solids, semi-solids; in human or animal, serum or whole blood.					
Cytokine Testing - Inflammatory Cytokine Production, Organ Damage Markers					GLP available
		Humans	Monkeys	Dogs	Rodents
Circulating Cytokines – Plasma, Serum, Urine	TNF(a,b,g)	TNF(a,b,g)	TNF	TNFa	TNFa
Custom Panels Available - For examples	IFN (a,b,g)	IFN (a,b,g)	IFN g	IFNg	IFNg
- Inflammatory Cytokines	IL-2	IL-2	IL-2	IL-2	IL-2
	IL-6	IL-6	IL-6	IL-6	IL-6
	IL-8	IL-8	IL-8	IL-8	NT
	IL-10	IL-10	NT	IL-10	IL-10
	IL-12 (p40,p70)	IL-12 (p40,p70)	IL-12 (p40)	IL-12(p40)	IL-12 (p70)
	IL-1 (a,b)	IL-1 (a,b,ra)	IL-1 (b,ra)	NT	IL-1 (a,b)
	IL-18	IL-18	IL-18	NT	IL-18
Additional available inquire: Ashley Frazer-Abel, PhD 303-270-2546					

Advanced Diagnostic Laboratories National Jewish Health

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<i>continued</i>		Humans	Monkeys	Dogs	Rodents
-Chemokines	MCP-1 (CCL2)	MCP-1	MCP-1	MCP-1	MCP-1
	MIP-1 (CCL4)	MIP-1	MIP-1	NT	MIP-1
	RANTES (CCL5)	RANTES	RANTES	NT	RANTES
	IP-10 (CXCL10)	IP-10	IP-10	NT	IP-10
Additional available inquire: Ashley Frazer-Abel, PhD 303-270-2546					
NT, species cross reactivity not tested.					

Immunology Testing

- Inappropriate Antibody Production, Lymphocytes Proliferation, Cellular Assays

Lymphoproliferation. Custom testing for T cell reactivity to compound or metal of interest.

ELISPOT: Quantitation of cytokine-producing cells following stimulation with antigen of choice

Development of assays to detect and quantitate drug specific antibodies

Custom flow cytometry assays

Basophil activation test, custom made for you application

Phosphosignaling assays to determine off target effects of drugs

The majority of these assays can be run not only on human samples, but on non-human primates and rodents.

Please inquire: Vijaya Nagabhushanam, MD, PhD, 303-398-1292

Molecular Testing

- Nucleic Acid Measurement, Genotyping, Sequencing, ORT-PCR, SNPStream

GLP
inquire

Custom testing for circulating nucleic acid pharmaceutical

Testing for susceptibility genotype

Examples of Genotyping Currently Being Done: Factor H, C2, C4A/B, C8 (Complement & AMD), Factor V, Factor II, Factor XII (Coagulations), IFNgR1, BAFFR, TAC1, ICOS, TLR3

Please inquire: Paul Reynolds, PhD, 303-398-1419

Classic Core Lab Testing

- Clinical testing in Humans

Chemistry Testing and Panels

Basic metabolic panel

Comprehensive metabolic panel

Hepatic function panel

Lipid panel

Electrolyte panel

Renal function panel

Hematology

Coagulation

Urinalysis

Fecal leukocytes

Vitamin D, 1,25-Dihydroxy, 25-Hydroxy

Vitamin A, B12, and E

Please inquire about other testing and specifics: Vijaya Nagabhusaman, 303-398-1292

Please inquire about additional testing.

We are open to working with you to develop and validate new testing to meet your study needs.

Contact Information:

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