



TGA Sciences, Inc. offers sample analysis using the Luminex® Suspension Array Technology, which allows for the simultaneous analysis of multiple markers.

Multiplex Assays are currently offered in the following areas:

AUTOIMMUNE:

Analyte	Species
Centromere	Human
Histone	Human
Jo-1	Human
RNP	Human
Scl-70	Human
Sm	Human
SSA	Human
SSB	Human
Chromatin	Human
ENA Profile 4	Human
ENA Profile 5	Human
ENA Profile 6	Human
Ribosomal P	Human
SLE Profile 8	Human

ENDOCRINE:

Analyte	Species
ACTH	Human
Adiponectin	Human, Mouse
Amylin	Human, Mouse, Rat
C-peptide	Human
FSH	Human
GH	Human
GLP-1	Human, Mouse, Rat
Glucagon	Human, Mouse Rat
Insulin	Human, Mouse, Rat
Leptin	Human, Mouse, Rat
LH	Human
PAI-1 (active)	Human
PAI-1 (total)	Human, Mouse
Prolactin	Human
Resistin	Human, Mouse
TSH	Human
ASP	Human

CYTOKINES:

Analyte	Species
EGF	Human
Eotaxin	Human
FGF-basic	Human, Mouse
GM-CSF	Human, Mouse, Rat
IFN-γ	Human, Mouse, Rat
IL-10	Human, Mouse, Rat
IL-12 p40	Human, Mouse
IL-12 p70	Human, Mouse, Rat
IL-13	Human, Mouse
IL-15	Human, Mouse
IL-1α	Human, Mouse, Rat
IL-1β	Human, Mouse, Rat
IL-2	Human, Mouse, Rat
IL-3	Human, Mouse
IL-4	Human, Mouse, Rat
IL-5	Human, Mouse, Rat
IL-6	Human, Mouse, Rat
IL-7	Human, Mouse
IL-8	Human
IP-10	Human, Mouse
KC	Mouse
MCP-1	Human, Mouse, Rat
MIP-1α	Human, Mouse
RANTES	Human, Mouse
TNF-α	Human, Mouse, Rat
VEGF	Human, Mouse
G-CSF	Human, Mouse
GRO-KC	Rat
IL-17	Human, Mouse
IL-18	Rat
IL-1ra	Human
IL-9	Mouse
MIP-1β	Human
IFN-α	Human
IL-2r	Human

APOPTOSIS:

Analyte	Species
MIF	Human
PAI-1 (total)	Human
s Fas	Human
s Fas Ligand	Human
s ICAM-1	Human
s VCAM-1	Human

METABOLIC MARKERS:

Analyte	Species
Apolipoprotein A-II	Human
Apolipoprotein A-I	Human
Apolipoprotein B	Human
Apolipoprotein C-II	Human
Apolipoprotein C-III	Human
Apolipoprotein E	Human

TRANSCRIPTION FACTORS:

Analyte	Species
AP-2	General
CREB	General
EGR	Human
HIF-1	Human
NF-1	Human
NFAT	Human
NFκB Gene Family	Human
PPAR	Human
SRE	Human
YY1	Human

ISOTYPING:

Analyte	Species
IgA	Mouse
IgE	Mouse
IgG1	Mouse
IgG2α	Mouse
IgG2β	Mouse
IgG3	Mouse
IgM	Mouse

GENOTYPING:

Analyte	Species
Mitochondrial	Human
DNA Screen	
Y-SNP ID	Human

BONE:

Analyte	Species
Osteocalcin	Human, Mouse
Osteoprotegrin	Human, Mouse

KINASE/PHOSPHORYLATED PROTEINS

<u>Analyte</u>	<u>Species</u>	<u>Analyte</u>	<u>Species</u>
Akt	General	p38 MAPK (total)	General
Erk-2	General	p38 MAPK (pT180/pY182)	General
GSK-3beta	General	p70 S6 kinase (total)	General
MAPKAP K2	General	p70 S6 kinase	
PKC	General	(Thr421/Ser424)	General
SAPK1	General	p9ORSK (Thr359/Ser363)	General
SAPK1a/JNK2	General	p9ORSK (total)	General
SAPK4	General	STAR2 (Tyr689)	General
ZAP-70	General	STAT3 (Tyr705)	General
PKB-alpha	General	TrkA (Tyr490)	General
ATF2 (Thr71)	General	CREB (total)	General
AFT2 (total)	General	CREB (pS133)	General
Erk1 (Thr202/Tyr204)	General	HSP27 (total)	General
Erk 1/2	General	HSP27 (pS82)	General
Erk2 (Thr185/Tyr187)	General	IRS-1 (pS312)	General
Erk2 (Total)	General	p53 (total)	General
GSK-3a/b (Ser21/Ser9)	General	p53 (pS15)	General
IkappaB-alpha		PRAS40 (pT246)	General
(Ser32/Ser36)	General	Rb (total)	General
IkappaB-alpha (total)	General	Rb (pT821)	General
JNK (pTpY183/185)	General	Rb (pSpT249/252)	General
JNK (total)	General	STAT1 (total)	General

TISSUE TYPING:

<u>Analyte</u>	<u>Species</u>	<u>Analyte</u>	<u>Species</u>
PRA Class I	Human	SSO Class II DQB1	Human
PRA Class I and II	Human	SSO Class II DRB1	Human
PRA Class II	Human	SSO Class II DRB 3, 4, 5	Human
SSO Class I HLA-A	Human	HLA Class I and II	Human
SSO Class I HLA-B	Human	HLA Class I Single	
SSO Class I HLA-C	Human	Ag Ab, Grp 1	Human
SSO Class II DP	Human	HLA Class I Single	
		Ag Ab, Grp 2	Human

**To obtain a quote, check off the areas of interest
and fax this form to TGA Sciences, Inc. Please complete:**

Name: _____

Company: _____

Contact #: _____



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