

BIOMARKERS FOR NEUROLOGICAL DISORDERS



PROVEN TRACK RECORD FOR NEUROBIOMARKERS AT KCAS BIO



NEUROTOXICITY

A β 40
A β 42
BACE1
TDP43*
tTau
pTau181
pTau217
pTau231



NEURO- INFLAMMATION

CCL2
GFAP
IL1 α
IL1 β
IL6
TNF α
Progranulin
sTREM2
YKL40



NEURONAL DAMAGE

Neurogranin
Nf-L
(p)Nf-H



BLOOD BRAIN BARRIER INTEGRITY

Claudin5
ICAM1
VCAM1

Non-exhaustive list of examples

*: full length form



Tell us how we can help with your project
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DIFFERENT CHALLENGES, DIFFERENT TECHNOLOGIES!

A comprehensive technological offer to fit sample volume, sensitivity throughput & multiplexing



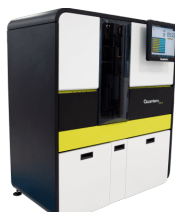
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TRACK RECORD

Indication	Phase	Biomarker	Matrix
Alzheimer's Disease (AD)	Preclinical (mouse, NHP)	Tau	CSF
	Preclinical (NHP)	Nf-L	Plasma
	1	Nf-L	Plasma, CSF
	2	YKL40, Neurogranin	Plasma, CSF
	2b/3	Aβ40, Aβ42, Nf-L, YKL40, sTREM2, BACE1, total Tau, pTau181, pTau217, ChAT, AChE	Plasma, CSF
Parkinson's Disease (PD)	Preclinical (NHP)	Nf-L, GFAP, undisclosed target	Plasma, CSF, Brain tissue
	1	Total and phosphorylated proteins - undisclosed targets	PBMC lysate
Amyotrophic Lateral Sclerosis (ALS) *	1&2	Nf-L, sTREM2, TDP43, GFAP, Claudin5, p75ECD, Neopterin & inflammation biomarkers	Plasma, CSF, Urine
	2	Nf-L, Nf-H, total TDP43, FGF21, p75ECD, Neopterin & inflammation biomarkers	Plasma, CSF, Urine
Multiple Sclerosis (MS)	1	Nf-L	Plasma
Progressive Supranuclear Palsy (PSP)	2	Aβ40, Aβ42, Nf-L, Nf-H, Progranulin, total Tau, pTau181, sTREM2 & inflammation biomarkers	Plasma, CSF

Non-exhaustive list of examples, *: aka Charcot Disease, Lou Gehrig's disease