

Phenotyping Genetically Altered Mice

NDI offers comprehensive behavioral as well as neurobiological phenotyping of genetically altered mice. The first-pass behavioral exam consists of 28 assays of neurological functions, including sensory, motor, cognitive, and limbic system functions. Targeted subsets of this test battery may also be selected. The neurobiological exam may include up to 15 assays. Typically, certain specific assays are selected.

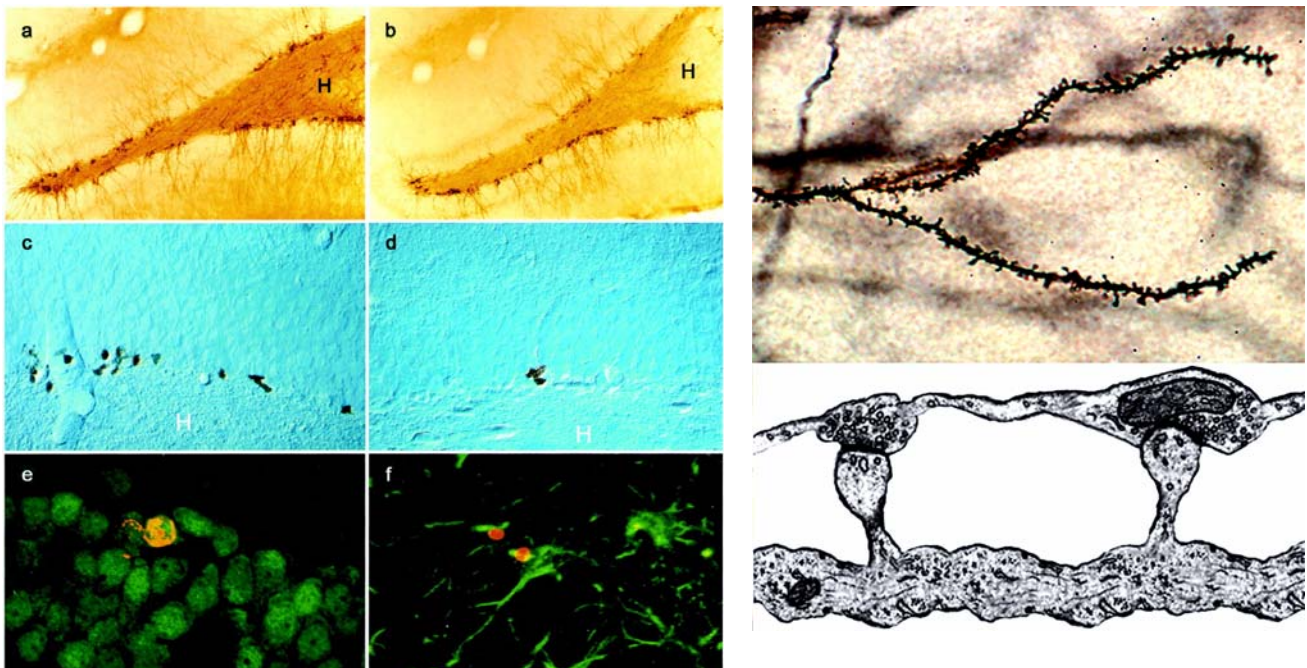
Behavioral Exam

Body Weight	Tail Hanging	Contact Placing	Reaching
Body Length	Ear Reflex	Light-Dark Activity	Water Maze (Learning plus Reversal)
Tail Length	Eye Blink	Circadian Activity	Passive Avoidance
Vibrissae Integrity	Pupillary Response	Open Field Activity	Tail-Flick
Eye Appearance	Vocalization	Rotating Rod Task	Heat and Cold Responses
Muscle Tone	Response to Sound	Beam Walking	Grip Strength



Neurobiological Exams

In vivo Microdialysis (neuro- transmitter levels)	In situ hybridization	RT-PCR Q-PCR	BrdU (neurogenesis)
EEG recording	Immuno- cytochemistry	Micro Array (Gene Profiling)	Western/Northern Blots
Self- Administration (Response level to addictive drugs)	Sub-cellular analysis (EM Microscopy) (Golgi-Cox)	Nuclear volume measures	Neuron counts in discrete nuclei



For further information, including references and pricing, either call or send us an email.

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