



EthoVision XT Modules | WHAT DO I NEED FOR MY TEST?

Available modules

Module	Name	Purpose
EVXT	EthoVision XT	Track the nose, center, and tail base of 1 subject in 1 arena
MAM	Multiple Arena Module	Track subjects in up to 100 arenas
SIM	Social Interaction Module	Track multiple subjects in the same arena (marked or unmarked)
THCM	Trial & Hardware Control Module	Control external equipment during tracking (optogenetics, FC, etc.)
MBRM	Mouse Behavior Recognition Module	Automatically log specific behaviors (grooming, rearing, etc.)
RBRM	Rat Behavior Recognition Module	Automatically log specific behaviors (grooming, rearing, etc.)
EDM	External Data Module	Sync behavior with imported data (e.g. EEG, Ca2+, HR)
QAM	Quality Assurance Module	For data protection and GLP compliancy

Standard tests	EVXT	MAM	SIM	THCM	BRM	EDM
Morris Water Maze	X	-	-	-	-	-
Elevated Plus Maze	X	-	-	-	-	O
Open Field	X	O	-	-	O	O
Novel Object Recognition	X	O	-	-	O	O
Forced Swim Test	X	O	-	-	-	-
Barnes Maze	X	-	-	-	-	O
Zero Maze	X	-	-	-	-	O
T-Maze / Y-Maze	X	-	-	-	-	O
Place Preference	X	O	-	-	-	O
Olfactometer	X	-	-	O	-	O
Fear Conditioning	X	O	-	X	-	O

X - Required

O - Recommended

Social behavior tests	EVXT	MAM	SIM	THCM	BRM	EDM
Social Interaction	X	O	X	-	-	O
Sociability	X	O	-	-	O	O
Social Recognition	X	O	O	-	O	O

Radial arm tests	EVXT	MAM	SIM	THCM	BRM	EDM
Radial Arm Maze (manual)	X	-	-	-	-	O
Radial Arm Maze (auto)	X	-	-	X	-	O

Tests with additional hardware	EVXT	MAM	SIM	THCM	BRM	EDM
Optogenetics ¹	X	O	O	X	O	O
Seizure detection (EEG) ²	X	O	-	O	-	X
Home Cage / Phenotyping ³	X	O	-	X	O	O
Feeding / Drinking ⁴	X	O	-	X	O	O
Rotarod ⁵	X	O	-	-	-	-

X - Required

O – Recommended

Required Hardware

¹ Optogenetics equipment

² EEG equipment

³ PhenoTyper

⁴ PhenoTyper, Feeding Monitor, Lickometer, Pellet Dispenser

⁵ Rotarod