

You can choose devices and design your own maze. We can supply corridor which you can assemble freely, photo the devices are program controllable. The maze is compatible with cable & fiber of in vivo electrophysiological study. 情報を把握するためのフォトビームセンサー、報酬提示デバイスが用意されております。オプションで強制運動提示デバイス等 The T-shaped free maze with a passageway from goal to start. Each section of the maze is equipped with an automated door, voluntarily directed from goal to start and start to goal throughout the test. With this automated system, there is no with pellet sensors and food dispensers. By using the sensors, food pellets are automatically dispensed as well as the experiment can run automatically. 動物の迷路上の位置をフォトビームセンサーで検知し、床下に格納されるドアによりは回収します。このシステムにより、動物をスタートエリアに置くだけで全自動で実験が進行します。

-beam sensor to detect animal position, reward supply device, door motor unit, forced exercise supply device. All 必要なデバイスを選択して組み立てて、迷路を作ることができます。自在に組み合わせることができるコリドーと、動物の位置を追加することも可能です。すべてのデバイスはプログラマブルに制御することが可能です。 which opens and closes with the movement of the subject. By controlling the function of the door, the subject can longer a need for the experimenter to physically handle the subject during testing. At each goal, there are food trays discharged during testing. Therefore, other than the experimenter handling the subject to place them in the maze, 動物の行動を制限し、ペレットディスペンサーで報酬を供給し、センサー付餌皿が報酬獲得の有無を検知し、餌皿に残ったペレット

for MOUSE and RAT



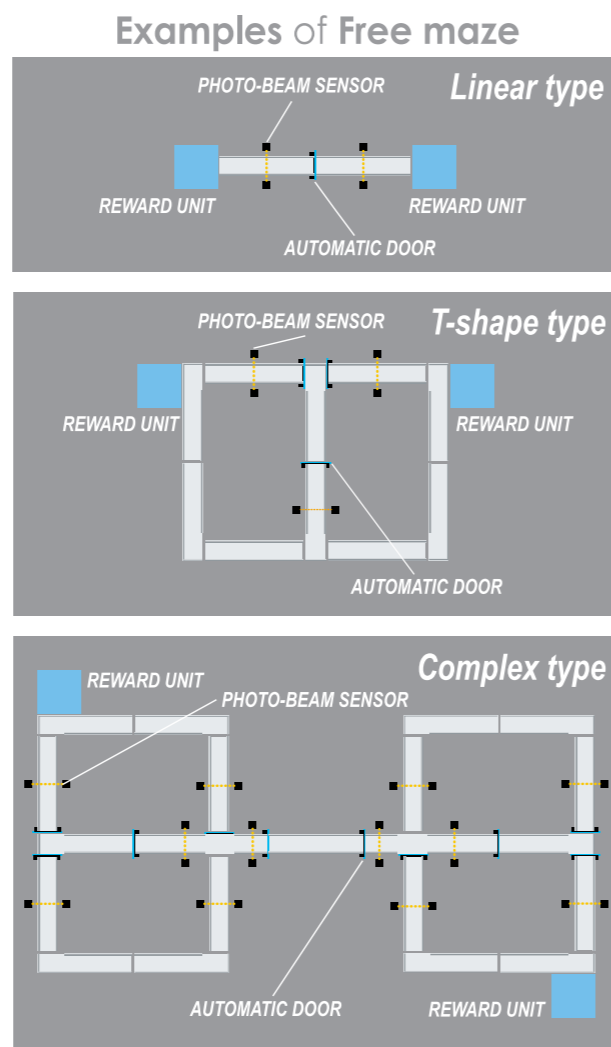
フリーメイズシステム<学習記憶>  
T字型迷路型<作業記憶>  
Free-maze system : T-maze shape <working memory>  
※Single maze system

Compose Your Special Maze Freely

- ▶ High Flexibility & Extensibility
- ▶ Simple task to Complex task
- ▶ Appropriate in vivo Brain Imaging, Neural recording, Optogenetics in freely moving animal



Breadboard floor



Varieties of modules are available

Mountable on Breadboard Floor



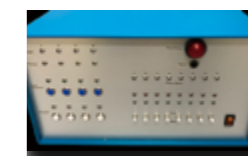
Door Motor Unit for Rat



Fixed Wall



Operant Task Software : Operant Task Studio



I/O Box

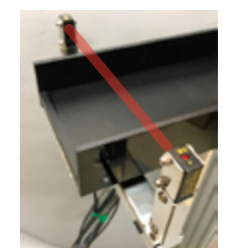
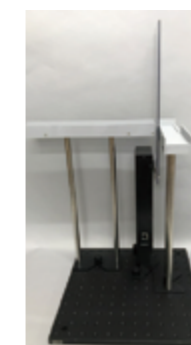
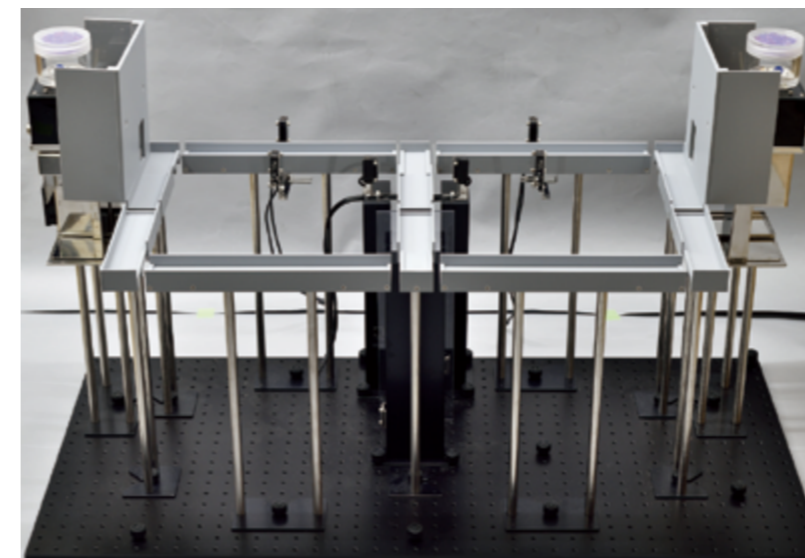


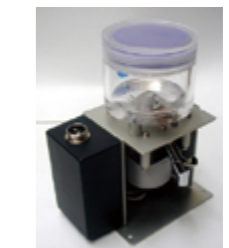
Photo-beam Sensor



Door Motor Unit for Mouse



Pellet Dish Unit



Pellet Dispenser



End Left-turn Corridor



Straight Corridor



End Right-turn Corridor



End T Corridor



Center T Corridor



Center Cross Corridor



Treadmill Corridor