

## 1: Title: Y-maze IMPC\_YMZ\_001

## 2: Purpose:

The Y-maze is used to assess spontaneous alternation performance as an index of active retrograde working memory in rodents.

## 3: Experimental Design

Minimum number of mutant animals required: 4 males + 4 females

Minimum age of animals: 51 weeks.

Sex: both males and females

## 4: Procedure

1. Mice are habituated to testing room for 15 minute.
2. Place a mouse in terminal of arm C (see figure).
3. Measure locomotor activity and alteration rate (%) for 10 minutes.

## 5: Data Collection

### Data QC

In order to eliminate the effects of prior experiences, the mice which are individually housed.

