



# COGNITION

*Cognitive Strategies For  
Therapeutic Development*

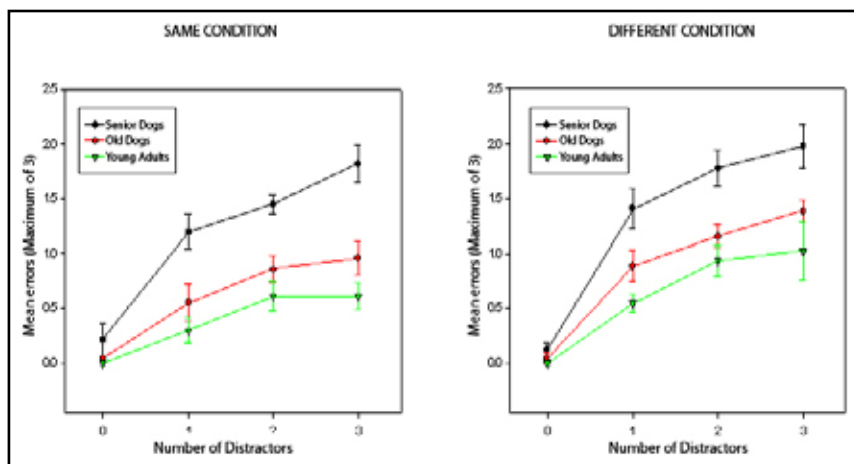
CanCog has unique expertise in preclinical cognitive assessment of therapeutics using a canine or feline model. Also, we can now provide rodent models. Table 1 outlines examples of test screens.

Table 1. Partial Suite of Cognitive Tasks.

COGNITIVE DOMAIN	CANINE and FELINE	RODENT
Visuospatial function	Landmark task Egocentric tasks	Morris watermaze T-maze positional discrimination
Attention	Attention task	5-choice serial reaction time
Executive function	Discrimination reversal task	Novel object recognition
Working memory	Variable delay non-match to position task	Variable delay non-match to position task Morris watermaze

## A New Model for Assessing Selective Attention in Dogs.

Performance falls off with increasing numbers of distractors. Performance also varies with age, with senior dogs showing marked impairment relative to old dogs, and old dogs showing impairment relative to young.



## Other Services

In addition to cognitive tests, CanCog Technologies can perform non-cognitive tests (e.g., activity patterns), brain imaging, pharmacokinetic profiling, and safety assessments (e.g., daily observations, blood sampling, electroretinograms) to further evaluate your compounds.



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