

## Explanation for supplemental Videos

Pictures and videos have been included to clarify procedural components of the experiment presented in the JessicaGodin2007 Thesis. Picture 1 is a photograph of the test chamber for this experiment. The inner circle represents the location of where a specimen disc would be situated. The outer circle is circumferential, and indicates 0.5cm from the inner circle. Picture 2 is a picture of these circles.

Data collected for this experiment consisted of scored videos of all time a subject spent with its nose within this outer circle. There were some procedural differences in how this was scored. These differences are elucidated by the supporting video clips.

Video 1 is a 3 second clip that demonstrates a subject investigating an odor stimulus. The presentation of urine, feces and glandular secretion sources would each appear this way. This subject displays behavior that was scored for 2 seconds; when his nose is within the outer circle drawn on the test cage.

Video 2 is a 9 second clip that demonstrates how bedding would be scored once it is moved off the specimen disk. Time recorded includes whenever the subjects nose is within .5 cm of the inner circle (indicated by the outer circle drawn) as well as any time in direct contact with the bedding stimulus. The behavior in this clip would have been scored for 7 seconds.

Video 3 is a 24 second clip that provides an example of incidental contact that would not have been recorded as scored time in this experiment. After initially investigating the odor source for 3 seconds, the subject's nose crosses within .5 cm of the outer circle however this contact was purely incidental and therefore not included as recorded time beyond the initial 3 seconds.

Video 4 is a 10 second clip and provides an example of other behavior that was not recorded as contact time with the sample. Though the subject's nose crosses within .5 cm of the outer circle, it is more concerned with behaviors directed at the specimen plate rather than the odor stimulus. Time spent digging at or chewing on the plate were deducted from recorded time, in agreement with previous research. Note: the behavior in this clip would not have been deducted, as it cannot be removed from investigatory behavior. This clip is meant only to demonstrate what those behaviors look like. Had they occurred in isolation they would not have been included.

Picture 3 is a photograph of the setup for urine collection.