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# INDIANA UNIVERSITY

OFFICE OF THE VICE PRESIDENT FOR RESEARCH  
Office of Research Compliance

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USDA Registration Number: 32-R-0002

The following exceptions to research animal care standards and regulations have been scientifically justified and approved by the Bloomington IACUC:

1) Species: Siberian Hamster

Number of animals used: 445

Exceptions:

- Unrelieved pain or distress
- Single Housing

Justification: The goal of this study is to determine if variation in day length and changes in energy stores influence the body's response to a molecule known as lipopolysaccharide (LPS). LPS is secreted as part of a cell's normal physiological activity. The need to measure food consumption requires that animals be singly-housed.

2) Species: Prairie vole

Number of animals used: 38

Exception:

- Prolonged restraint

Justification: Restraint will last 60 minutes and each animal will be exposed only one time. Restraint in this species is a reliable inducer of a stress response without being physically invasive, allowing for the study of social buffering.