



INDIANA UNIVERSITY
Office of Research Compliance (ORC)
Institutional Animal Care and Use Committee (IACUC)

In Vivo Use of Bromodeoxyuridine (BrdU)

FULL POLICY CONTENTS

Policy Statement

Effective: 2010
Last Updated: 2.2015

Responsible University Office:
Office of Research Compliance IACUC Office(s)

Responsible University Administrator:
Vice President for Research

Policy Contacts:
Indianapolis: somiacuc@iupui.edu

Policy Statement

Research has indicated that Bromo-Deoxyuridine has cytotoxic, strongly teratogenic, and mutagenic properties (Russo et al., 1984, Nakaguchi et al., 1971). These potentially severe side effects make BrDu exposure a significant health and safety threat to laboratory staff, animal handlers and other personnel who may be accidentally exposed to BrDu.

Animals receiving BrDu must be housed in a chemical hazardous room in the LARC facility.

To prevent exposure to BrDu:

- The animal bedding must be changed or emptied under a fume hood or a ventilated dump station while wearing all appropriate Personal Protective Equipment (PPE).
- The appropriate Personal Protective Equipment (PPE) consists of:
 - Examination gloves.
 - Safety glasses or safety goggles (ANSI Z-87 approved).
 - Lab coat.
 - Half face respirator
 - Appropriate laboratory attire.
- The carcasses should be double bagged and incinerated.
- Animals can be manipulated outside of a fume hood with the appropriate PPE described above.