



DEPARTMENT OF HEALTH & HUMAN SERVICES

PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH

FOR US POSTAL SERVICE DELIVERY:

Office of Laboratory Animal Welfare
6700B Rockledge Drive, Suite 2500, MSC 6910
Bethesda, Maryland 20892-6910
Home Page: <http://grants.nih.gov/grants/olaw/olaw.htm>

FOR EXPRESS MAIL:

Office of Laboratory Animal Welfare
6700B Rockledge Drive, Suite 2500
Bethesda, Maryland 20817
Telephone: (301) 496-7163
Facsimile: (301) 480-3387

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October 23, 2020

Re: Animal Welfare Assurance
A3646-01 [OLAW Case 1K]

Dr. Jon Reuter
Assistant Vice Chancellor for Research Integrity and Compliance
University of Colorado – Boulder
3100 Marine Street, UCB 563 Office 25
Boulder, CO 80309

Dear Dr. Reuter,

The Office of Laboratory Animal Welfare (OLAW) acknowledges receipt of your September 22, 2020 letter reporting an instance of noncompliance with the PHS Policy on Humane Care and Use of Laboratory Animals at The University of Colorado Boulder. According to the information provided, OLAW understands that on September 6, 2020, an experimental solution of ethanol for injection was prepared with a concentration of 80% instead of 20%. According to your report, *"Because the mice typically go down very fast during this procedure the experimenter did not notice that the first and second mouse were no longer breathing."* Upon injection of the third mouse, it was noted the second mouse was not breathing and the third mouse died seconds later. The study is PHS funded.

As a corrective measure, the error was corrected immediately upon discovery and the incorrectly constituted solution was discarded. The rest of the mice in the experiment had no issues. The laboratory has updated their standard operating procedures and signage to be more detailed and describe preparation steps for a variety of concentrations.

OLAW appreciates the prompt consideration of this matter by The University of Colorado Boulder which is consistent with the philosophy of institutional self-regulation. Based on the information provided, OLAW is satisfied that appropriate steps have been taken to investigate this incident and to attempt to prevent recurrence. We appreciate being informed of this matter and please contact us with any further questions or concerns.

Sincerely,

Nicole L. Lukovsky-
akhsanov -S

Digitally signed by Nicole L.
Lukovsky-akhsanov -S
Date: 2020.10.23 07:37:47 -04'00'

Nicole Lukovsky-Akhsanov, DVM, MPH, DACLAM
Division of Compliance Oversight
Office of Laboratory Animal Welfare

cc: IACUC contact



University of Colorado
Boulder

Jon Reuter, Assistant Vice Chancellor for
Research Integrity and Compliance
3100 Marine St, UCB 563, Office 25
Boulder, CO 80309

jon.reuter@colorado.edu

t 303 735-5809

A3646-1K
New case

September 22, 2020

Brent Morse, DVM
Director, Division of Compliance Oversight
Office of Laboratory Animal Welfare
National Institutes of Health
6700B Rockledge Drive, Suite 2500 MSC 6910
Bethesda, MD 20892

Dr. Morse,
The University of Colorado Boulder, Assurance No. D16-00388, provides the following report listed below.

Protocol : 2594
Funds: NIH 1 RO3 AA026733-1

Species: Mice

On 9/06/20 during an alcohol metabolism experiment the solution for the ethanol injections was prepared with a concentration of 80% instead of 20%. Because the mice typically go down very fast during this procedure the experimenter did not notice right away that the first and second mouse were no longer breathing. After injecting the third mouse, the mouse was placed in the cage next to the second mouse and it was observed that the second mouse was not breathing. The third mouse died seconds later. The error was corrected immediately upon discovery by discarding the remaining solution and mixing a new solution at the appropriate concentration. The remaining mice in the experiment had no issues.

This adverse event was unintentional and due to human error. In order to address this issue, the lab has updated their SOP and signage to be more detailed and describe preparation steps for a variety of concentrations.

CU Boulder maintains its commitment to the health and welfare of animals used in research. Should you have any questions regarding this report, please contact Christopher A. Lowry, PhD, IACUC Chair at christopher.lowry@colorado.edu or Althea R. Lantron, IACUC Director, at althea.lantron@colorado.edu.

Sincerely,

DocuSigned by:
(b) (6)
412546504B0045A

Jon Reuter, Assistant Vice Chancellor of Research Integrity and Compliance

Cc:
Christopher A. Lowry, IACUC Chair
Althea R. Lantron, Director, IACUC Director
Sara Hashway, Director, Office of Animal Resources

Wolff, Axel (NIH/OD) [E]

From: OLAW Division of Compliance Oversight (NIH/OD)
Sent: Wednesday, September 23, 2020 7:51 AM
To: IACUC Office
Cc: OLAW Division of Compliance Oversight (NIH/OD)
Subject: RE: Reportable Incident

Thank you for this report. We will send a response soon.

Axel Wolff, M.S., D.V.M.
Deputy Director, OLAW

From: IACUC Office <iacucoffice@colorado.edu>
Sent: Tuesday, September 22, 2020 3:03 PM
To: OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>
Cc: Althea Lantron <Althea.Lantron@Colorado.EDU>; Sara Hashway <Sara.Hashway@colorado.edu>; Jon D Reuter <Jon.Reuter@Colorado.EDU>; Christopher Lowry <christopher.lowry@colorado.edu>
Subject: Reportable Incident

Dear OLAW,

Please find attached the final report involving a reportable incident on NIH project number 1 RO3 AA026733-1.

Thank you,

(b) (6)

Be Boulder.



University of Colorado Boulder