



### Inspection Report

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MRIGlobal  
425 Dr. Martin Luther King Jr. Blvd  
Kansas City, MO 64110

Customer ID: **1399**  
Certificate: **43-R-0009**  
Site: 001  
MRI Global

Type: ROUTINE INSPECTION  
Date: 03-AUG-2023

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#### 2.31(c)(6) Critical

##### Institutional Animal Care and Use Committee (IACUC).

On records review, it was found that on July 29, 2022, the IACUC received an incident report for study #111182.01001 which indicated that 32 rabbits numbered 1-13 and 15-33 were mis-dosed due to test solution preparation error. Per the protocol and client-provided formulation procedure, rabbits should have received eye drops with pH in the range of 6-7.4. During formulation of the eye drops, performed by the registrant, the pH was not checked. When rabbits displayed eye irritation following dosing with the eye drops, the dose formulation was investigated, including the pH, which was determined to be between 5.09-5.56. The Study Director and Client determined that any further data from the study would be unusable due to the incorrect formulation being given to the animals. Therefore, the decision was made, in consultation with the Attending Veterinarian and IACUC Chair, to euthanize the animals to prevent additional unnecessary pain and distress. The IACUC investigated the incident and requested corrective actions from the Study Director. The study was amended, and a full committee review was conducted prior to approval.

On records review, it was found that on July 27, 2022, two Crab-eating macaques #1512524 & #1601460 were given a test article in the wrong muscle group (hamstring) going off protocol #6109 22.02.001 which indicated the calf muscle was to be injected. A consultation with subject matter experts was conducted as soon as the error was realized, and it was determined that this was problematic as the test article entrance into the bloodstream was dependent on muscle size and so the injection site was integral for comparing results. IACUC members were consulted, and it was decided to euthanize the two mis-dosed macaques as they could not provide scientifically valid data and to spare them any further unnecessary adverse effects. Euthanasia occurred approximately eleven hours post injection.

Failure to follow the protocol as written and approved may adversely affect the health and well-being of the animals. These were serious deviations from the ongoing activities regarding the care and use of animals that the IACUC had reviewed and approved. The IACUC must review and approve, require modifications in (to secure approval), or withhold approval of those components of proposed activities related to the care and use of animals. All staff involved in the matter received retraining as a corrective measure.

Corrected by 3-Aug-2023.

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**Prepared By:** BONNIE BOONE  
USDA, APHIS, Animal Care  
**Title:** VETERINARY MEDICAL OFFICER

**Date:**  
29-SEP-2023

**Received by Title:** Attending Veterinarian

**Date:**  
29-SEP-2023



### Inspection Report

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#### 3.10(a)

##### Watering

In animal room, 193 N, four beagles identified as GLV, GEV, FPV, and ETV housed in two different enclosures had overturned their water bowls and so had no potable water. The attending veterinarian filled one bowl with water and the dogs did not drink. An automatic watering system was not in use for this room and the stainless-steel bowls used for watering are of insufficient size and composition to be spill-proof.

Water is the most important element necessary for life and must be always accessible for dogs to prevent dehydration.

Potable water must be continuously available to the dogs unless restricted by the attending veterinarian or excepted as provided in 3.17(a)

Corrected on 3-Aug-2023.

#### 3.53(a)(1) Critical

##### Primary enclosures.

During records review, it was found that on the morning of February 7, 2023, in animal room 196 N, a technician found that rabbits #1 and #7 had escaped their caging. The attending veterinarian examined them shortly thereafter and determined that #1 had no injuries but #7 had a small abrasion on his nares and a 1 cm superficial laceration at the base of his left ear. The wounds did not require medical treatment but were monitored. Both rabbits were removed from the study. It was found that cage security was not checked the prior evening and that the cage doors must not have been securely latched. These rabbits could have been outside their enclosure for up to 17 hours based on the time of their last observation. Rabbits #1 & #7 were removed from room 196 N and placed in different caging on 2-8-2023. Changes were made to the end-of-day checks to include cage door security accountability.

During records review, it was found that on the morning of March 27, 2023, in room 184 N, a technician found that rabbit #19 had escaped its enclosure and rabbit #15 was stuck halfway through the cage door bars. Both cage doors were found to be latched. Rabbit #15 initially had some bruising/erythema observed on her abdomen where she was stuck and seemed dazed when freed but no abnormalities were found when she was later examined by the veterinarian. Rabbit #19 also had normal physical exam results. All the rabbits in animal room 184 N in that bank of cages were moved to a different bank of cages with smaller spacing between cage bars on the same day of 3-27-23.

Animals kept in stacked caging can injure themselves by falling if escaping their enclosure. They can also get trapped or injured when squeezing through improperly spaced cage bars or injured while roaming outside their enclosures unsupervised. Animals can go hungry and dehydrate if left outside of their enclosures with no other access to food and water. Primary enclosures shall be structurally sound and maintained in good repair to protect the rabbits from injury, to contain them, and to keep predators out.

Corrected by 3-Aug-2023.

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**Prepared By:** BONNIE BOONE  
USDA, APHIS, Animal Care

**Date:**  
29-SEP-2023

**Title:** VETERINARY MEDICAL  
OFFICER

**Received by Title:** Attending Veterinarian

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## Inspection Report

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This inspection and exit interview were conducted with facility representatives.

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USDA, APHIS, Animal Care

**Title:** VETERINARY MEDICAL  
OFFICER

**Date:**  
29-SEP-2023

**Received by Title:** Attending Veterinarian

**Date:**  
29-SEP-2023



### Species Inspected

| Cust No | Cert No   | Site | Site Name  | Inspection  |
|---------|-----------|------|------------|-------------|
| 1399    | 43-R-0009 | 001  | MRI Global | 03-AUG-2023 |

| Count  | Scientific Name              | Common Name                             |
|--------|------------------------------|---|
| 000000 | <i>Macaca fascicularis</i>   | CRAB-EATING MACAQUE / CYNOMOLGUS MONKEY |
| 000066 | <i>Oryctolagus cuniculus</i> | DOMESTIC RABBIT / EUROPEAN RABBIT       |
| 000144 | <i>Cavia porcellus</i>       | DOMESTIC GUINEA PIG                     |
| 000020 | <i>Canis familiaris</i>      | DOG ADULT                               |
| 000230 | <b>Total</b>                 |   |