



## Inspection Report

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B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 003  
B T S RESEARCH

Type: ROUTINE INSPECTION  
Date: 06-DEC-2017

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No non-compliant items identified during this inspection.

This inspection and exit briefing were conducted with facility representatives.

Additional inspector: William W. Snow, D.V.M., VMO

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**Prepared By:**

SCHNELL MICHAEL,D.V.M      USDA, APHIS, Animal Care

**Date:**  
07-DEC-2017

**Title:** VETERINARY MEDICAL OFFICER 6100

**Received By:**

SAMI ABUNADI

**Date:**  
07-DEC-2017

**Title:** PRESIDENT  
19-03977\_000001



Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	003	B T S RESEARCH	06-DEC-17

Count	Species
000001	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
000026	DOMESTIC GUINEA PIG
000041	CRAB-EATING MACAQUE / CYNOMOLGUS MONKEY
000052	RHESUS MACAQUE
000071	DOMESTIC RABBIT / EUROPEAN RABBIT
<b>000191</b>	<b>Total</b>



## Inspection Report

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B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 002  
B T S RESEARCH

Type: ROUTINE INSPECTION  
Date: 06-DEC-2017

---

No non-compliant items identified during this inspection.

This inspection and exit briefing were conducted with facility representatives.

Additional inspector: William W. Snow, D.V.M., VMO

---

**Prepared By:**

SCHNELL MICHAEL,D.V.M     USDA, APHIS, Animal Care

**Date:**  
07-DEC-2017

**Title:** VETERINARY MEDICAL OFFICER 6100

**Received By:**

SAMI ABUNADI

**Date:**  
07-DEC-2017

**Title:** PRESIDENT  
19-03977\_000003



Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	002	B T S RESEARCH	06-DEC-17

Count	Species
000003	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
000023	CRAB-EATING MACAQUE / CYNOMOLGUS MONKEY
000028	DOG ADULT
000045	RHESUS MACAQUE
<b>000099</b>	<b>Total</b>



## Inspection Report

B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 003  
B T S RESEARCH

Type: ROUTINE INSPECTION  
Date: 03-APR-2018

### 2.31(c)(7)

#### INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Study activities continued on a study despite the fact that the amendment that covered the study activities had expired. Protocol 15-022 expired on March 3, 2018 and was not reviewed and approved until March 6, 2018. The individual study protocol under the above umbrella protocol approved for 25 animals also expired on March 3, 2018 and was not reviewed and approved until March 8, 2018. A modification adding five additional animals to the individual study was approved October 17, 2017 and expired on March 3, 2018. This modification had not been reviewed and approved at the time of the inspection.

Correct from this time forward.

### 2.33(b)(3) CRITICAL

#### ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Results of abnormal nonhuman primate (NHP) blood work were never conveyed to the attending veterinarian. The blood work was run by the facility and provided to the client PI as part of the study, but not communicated to the veterinarian. The animal was later euthanized because of significant health issues.

NHP 13-1646R developed diarrhea and had abnormal blood work findings. Blood work conducted on this animal was not reported to the attending veterinarian. During the time that this animal's clinical issues were being pursued, the veterinarian did not have access to relevant blood work results. The animal's condition continued to deteriorate, and it was euthanized two weeks later.

Failing to notify the attending veterinarian of clinical issues and abnormal medical test results in a timely manner may have a negative impact on animal health. The facility should ensure that timely and accurate information on problems of animal health are promptly conveyed to the attending veterinarian.

Correct from this day forward.

#### Prepared By:

FRANK KATHARINE, D V M USDA, APHIS, Animal Care

Date:  
07-SEP-2018

Title: VETERINARY MEDICAL OFFICER 6091

#### Received By:

(b) (6), (b) (7)(C)

Title: HAND DELIVERED  
19-03977\_000005

Date:  
07-SEP-2018



## Inspection Report

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This inspection and exit interview was conducted with facility representatives.

### Additional Inspectors

Rosendale Marcy, Veterinary Medical Officer

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### Prepared By:

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

**Date:**  
07-SEP-2018

**Title:**      VETERINARY MEDICAL OFFICER    6091

### Received By:

(b) (6), (b) (7)(C)

**Title:**      HAND DELIVERED  
19-03977\_000006

**Date:**  
07-SEP-2018



## Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	003	B T S RESEARCH	03-APR-18

No Animals were Inspected.

Count	Scientific Name	Common Name
000000	NONE	NONE
000000	Total	



## Inspection Report

B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 003  
B T S RESEARCH

Type: --RESCINDED--  
Date: 03-APR-2018

### 2.31(c)(7)

#### INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Changes were made to an animal activity without the Institutional Animal Care and Use Committee (IACUC) approval. A nonhuman primate (NHP) study, protocol 15-022, stated that animals would be euthanized after weight loss of greater than or equal to 15% bodyweight.

NHP 13-1646R remained on study despite a 29% drop in weight loss over a period of approximately two weeks. The animal continued to receive study related procedures two weeks after the weight loss was documented, while the attending veterinarian was providing clinical treatment.

Additionally animals remained on study despite the fact that there was no approved protocol for the activity. Protocol 15-022 expired on March 3, 2018 and was not renewed until March 6, 2018. The individual study protocol under the above umbrella protocol approved for 25 animals also expired on March 3, 2018 and was not renewed until March 8, 2018. A modification adding five additional animals to the individual study was approved October 17, 2017 and expired on March 3, 2018. This modification had not been renewed at the time of the inspection. NHP 13-1646R was part of this modification and was treated as part of the study on March 14 and euthanized on March 30 due to poor health.

Significant changes in the care and use of animals in ongoing activities may adversely affect animal well-being. The IACUC should review proposed significant changes to activities involving animals prior to the implementation of the activities.

Correct from this time forward.

### 2.31(d)(1)(viii) CRITICAL

#### INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

The facility Institutional Animal Care and Use Committee (IACUC) did not ensure that a Principal Investigator or

#### Prepared By:

FRANK KATHARINE, D V M USDA, APHIS, Animal Care

Date:  
26-APR-2018

Title: VETERINARY MEDICAL OFFICER 6091

#### Received By:

(b) (6), (b) (7)(C)

Title: HAND DELIVERED  
19-03977\_000008

Date:  
26-APR-2018





## Inspection Report

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other facility personnel conducting anesthetic procedures on goats were appropriately qualified and trained for that procedure.

In approved survival surgical protocol 15-049, modification 5 (approved 25 Sep 2017) using goats, the Principal Investigator (PI) is described as having experience with endotracheal intubation in dogs, pigs and goats in the US. In the IACUC meeting minutes from 28 Sep 2017, the same PI was reported as having difficulty intubating a goat, resulting in the procedure being stopped and the subsequent death of the animal. The IACUC then directed a facility manager to re-train the PI on endotracheal tube placement.

According to facility records and staff statements, neither the management or the vivarium manager who was tasked with the re-training had experience in goat or other ruminant anesthesia and intubation. A total of three goats were anesthetized and were either euthanized or died while under anesthesia. No necropsies were performed on any of the animals. Project and anesthesia records for these goats were not available for review during inspection.

According to the protocol, the PI will perform anesthesia, however experience with goat anesthesia is not documented in his resume or any facility training records. During the inspection staff members stated that the facility did not confirm the experience of the PI and that none of the project personnel at the facility had experience in anesthetizing goats. The first goat used under this protocol died during the surgical procedure while under anesthesia of a suspected bloat according to the IACUC meeting minutes.

According to facility staff, the second goat anesthetic procedure was aborted due to complications placing the endotracheal tube and subsequently was euthanized during anesthesia. According to facility staff the PI was re-trained after the death of the second goat. After the third goat was euthanized during surgery the protocol was stopped because none of the three goats had survived anesthesia.

Personnel conducting procedures on animals should be appropriately qualified and trained in those procedures in order to avoid or minimize discomfort, distress, and pain to the animals. The IACUC must determine that personnel conducting procedures on a species being maintained or studied are appropriately qualified and trained in those procedures prior to approving animal activities.

Correct for all future animal activities.

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**Prepared By:**

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

**Date:**  
26-APR-2018

**Title:**      VETERINARY MEDICAL OFFICER    6091

**Received By:**

(b) (6), (b) (7)(C)

**Title:**      HAND DELIVERED  
19-03977\_000009

**Date:**  
26-APR-2018



## Inspection Report

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### 2.33(b)(3)

#### ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Results of abnormal nonhuman primate (NHP) blood work were never conveyed to the attending veterinarian. The blood work was run by the facility and provided to the client PI as part of the study, but not communicated to the veterinarian. The animal was later euthanized because of significant health issues.

NHP 13-1646R had a clinical chemistry and complete blood count on January 31st, 2018, showing a mildly increased BUN and white blood cell count. The animal was weighed on February 14th, 2018 at 5 kgs, and according to an email from the client (on March 15th) the diarrhea was first noticed during treatments that day. On February 21st, 2018, blood work again revealed an increased BUN as well as decreased sodium and chloride levels. The blood work was run by the facility and reported to the client PI, but not to the attending veterinarian.

On February 28, 2018, the animal was noted to have diarrhea and her weight dropped to 3.55 kgs, a decrease of 29% of bodyweight (according to the Animal Care and Use protocol, animals with more than 15% loss of bodyweight should be sacrificed). The veterinarian was contacted regarding the weight loss and extra food/treats were added to the animal's diet, and according to the veterinarian, she was observed eating peanuts on March 7, 2018.

On March 14th, 2018, the animal was anesthetized for a scheduled study procedure and examined by the veterinarian. The body weight was still 3.55 kgs, and the veterinarian ordered additional treatments and isolated the animal for medical observation. Medical notes documented "need CBC, Chem, stool culture and parasite check", and an email from the vet on the same day agreed to hold off - but neither of the recent blood work results were provided to the attending vet by the facility.

On March 16th, 2018 the animal collapsed and was very lethargic (handled/weighed without sedation). Fluids were administered for the first and only time and antibiotics for diarrhea continued until the animal was euthanized due to continued diarrhea on March 30, 2018.

Failing to notify the attending veterinarian of abnormal medical test results may have a negative impact on animal health. In the case of 13-1646R, two sets of abnormal blood work results were transferred to the contracting client but never communicated to the attending veterinarian, even after the animal was evaluated for weight loss, diarrhea, and overall poor condition. The facility should ensure that timely and accurate information on problems of animal health is promptly conveyed to the attending veterinarian.

Correct from this day forward.

---

#### Prepared By:

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

**Date:**  
26-APR-2018

**Title:**      VETERINARY MEDICAL OFFICER    6091

#### Received By:

(b) (6), (b) (7)(C)

**Title:**      HAND DELIVERED  
19-03977\_000010

**Date:**  
26-APR-2018



## Inspection Report

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This inspection and exit interview was conducted with facility representatives.

### Additional Inspectors

Rosendale Marcy, Veterinary Medical Officer

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### Prepared By:

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

**Date:**  
26-APR-2018

**Title:**      VETERINARY MEDICAL OFFICER    6091

### Received By:

(b) (6), (b) (7)(C)

**Title:**      HAND DELIVERED  
19-03977\_000011

**Date:**  
26-APR-2018



## Species Inspected

--RESCINDED--

Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	003	B T S RESEARCH	03-APR-18

No Animals were Inspected.

Count	Scientific Name	Common Name
000000	NONE	NONE
000000	Total	



## Inspection Report

B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 003  
B T S RESEARCH

Type: --RESCINDED--  
Date: 03-APR-2018

### 2.31(c)(7)

#### INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Changes were made to an animal activity without the Institutional Animal Care and Use Committee (IACUC) approval. A nonhuman primate (NHP) study, protocol 15-022, stated that animals would be euthanized after weight loss of greater than or equal to 15% bodyweight.

NHP 13-1646R remained on study despite a 29% drop in weight loss over a period of approximately two weeks. The animal continued to receive study related procedures after the weight loss was documented.

Additionally animals remained on study despite the fact that there was no approved protocol for the activity. Protocol 15-022 expired on March 3, 2018 and was not renewed until March 6. The individual study protocol under the above umbrella protocol approved for 25 animals also expired on March 3 and was not renewed until March 8. A modification adding five additional animals to the individual study was approved October 17, 2017 and expired on March 3, 2018. This modification had not been renewed at the time of the inspection. NHP 13-1646R was part of this modification and was treated as part of the study on March 14 and euthanized on March 30 due to poor health.

Significant changes in the care and use of animals in ongoing activities may adversely affect animal well-being. The IACUC should review proposed significant changes to activities involving animals prior to the implementation of the activities.

Correct from this time forward.

### 2.31(d)(1)(viii) CRITICAL

#### INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

The facility Institutional Animal Care and Use Committee (IACUC) did not ensure that a Principal Investigator or other facility personnel conducting anesthetic procedures on goats were appropriately qualified and trained for that procedure.

#### Prepared By:

FRANK KATHARINE, D V M USDA, APHIS, Animal Care

Date:  
11-APR-2018

Title: VETERINARY MEDICAL OFFICER 6091

#### Received By:

(b) (6), (b) (7)(C)

Title: HAND DELIVERED  
19-03977\_000013

Date:  
11-APR-2018



## Inspection Report

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In approved survival surgical protocol 15-049, modification 5 (approved 25 Sep 2017) using goats, the Principal Investigator (PI) is described as having experience with endotracheal intubation in dogs, pigs and goats in the US. In the IACUC meeting minutes from 28 Sep 2017, the same PI was reported as having difficulty intubating a goat, resulting in the procedure being stopped and the subsequent death of the animal. The IACUC then directed a facility manager to re-train the PI on endotracheal tube placement.

According to facility records and staff statements, neither the management or the vivarium manager who was tasked with the re-training had experience in goat or other ruminant anesthesia and intubation. A total of three goats were anesthetized and were either euthanized or died while under anesthesia. No necropsies were performed on any of the animals. Project and anesthesia records for these goats were not available for review during inspection.

According to the protocol, the PI will perform anesthesia, however experience with goat anesthesia is not documented in his resume or any facility training records. During the inspection staff members stated that the facility did not confirm the experience of the PI and that none of the project personnel at the facility had experience in anesthetizing goats. The first goat used under this protocol died during the surgical procedure while under anesthesia of a suspected bloat according to the IACUC meeting minutes.

According to facility staff, the second goat anesthetic procedure was aborted due to complications placing the endotracheal tube and subsequently was euthanized during anesthesia. According to facility staff the PI was re-trained after the death of the second goat. After the third goat was euthanized during surgery the protocol was stopped because none of the three goats had survived anesthesia.

Personnel conducting procedures on animals should be appropriately qualified and trained in those procedures in order to avoid or minimize discomfort, distress, and pain to the animals. The IACUC must determine that personnel conducting procedures on a species being maintained or studied are appropriately qualified and trained in those procedures prior to approving animal activities.

Correct for all future animal activities.

### 2.33(b)(3)

#### ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Results of abnormal nonhuman primate (NHP) blood work were never conveyed to the attending veterinarian. The animal was later euthanized because of significant health issues.

---

#### Prepared By:

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

#### Date:

11-APR-2018

Title:      VETERINARY MEDICAL OFFICER    6091

#### Received By:

(b) (6), (b) (7)(C)

#### Date:

11-APR-2018

Title:      HAND DELIVERED  
19-03977\_000014



## Inspection Report

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NHP 13-1646R had a clinical chemistry and complete blood count on January 31st, 2018, showing a mildly increased BUN and white blood cell count. The animal was weighed on February 14th, 2018 at 5 kgs. On February 21st, 2018, blood work again revealed an increased BUN as well as decreased sodium and chloride levels.

On February 28, 2018, the animal was noted to have diarrhea and her weight dropped to 3.55 kgs, a decrease of 29% of bodyweight (according to the research protocol, animals with more than 15% loss of bodyweight should be evaluated to continue on the study). The veterinarian was contacted regarding the weight loss and extra food/treats were added to the animal's diet.

On March 14th, 2018, the animal was anesthetized for a scheduled study procedure and examined by the veterinarian. The body weight was still 3.55 kgs, and the veterinarian ordered additional treatment and isolated the animal for medical observation.

On March 16th, 2018 the animal collapsed and was very lethargic (handled/weighed without sedation). Fluids were administered for the first and only time and antibiotics for diarrhea continued until the animal was euthanized due to continued diarrhea on March 30, 2018.

Failing to notify the attending veterinarian of abnormal medical test results may have a negative impact on animal health. In the case of 13-1646R, two sets of abnormal blood work results were transferred to the contracting client but never communicated to the attending veterinarian, even after the animal was evaluated for weight loss, diarrhea, and overall poor condition. The facility should ensure that timely and accurate information on problems of animal health is promptly conveyed to the attending veterinarian.

Correct from this day forward.

### 2.35(f)

#### RECORDKEEPING REQUIREMENTS.

Anesthetic records for goats used under protocol 15-049, study15PSCT-003 were not available for review at the time of the inspection. A staff member stated that the facility is looking for the records.

APHIS inspectors are unable to adequately monitor animal use and the Institutional Animal Care and Use Committee (IACUC) function if required animal records are unavailable. A system should be in place to ensure that all records and reports are maintained by the facility for at least three years.

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#### Prepared By:

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

#### Date:

11-APR-2018

Title:      VETERINARY MEDICAL OFFICER    6091

#### Received By:

(b) (6), (b) (7)(C)

#### Date:

11-APR-2018

Title:      HAND DELIVERED  
19-03977\_000015



## Inspection Report

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Correct from this time forward.

This inspection and exit interview was conducted with facility representatives.

### Additional Inspectors

Rosendale Marcy, Veterinary Medical Officer

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### Prepared By:

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

**Date:**  
11-APR-2018

**Title:**      VETERINARY MEDICAL OFFICER    6091

### Received By:

(b) (6), (b) (7)(C)

**Title:**      HAND DELIVERED  
19-03977\_000016

**Date:**  
11-APR-2018





## Species Inspected

--RESCINDED--

Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	003	B T S RESEARCH	03-APR-18

No Animals were Inspected.

Count	Scientific Name	Common Name
000000	NONE	NONE
000000	Total	



## Inspection Report

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B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 002  
B T S RESEARCH

Type: ROUTINE INSPECTION  
Date: 03-OCT-2018

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No non-compliant items identified during this inspection.

This inspection focused on the regulated animals currently at the facility.

This inspection and exit interview were conducted with facility representatives.

---

**Prepared By:**

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

**Date:**  
09-OCT-2018

**Title:** VETERINARY MEDICAL OFFICER 6091

**Received By:**

(b) (6), (b) (7)(C)

**Title:** SENT BY EMAIL  
19-03977\_000021

**Date:**  
09-OCT-2018



## Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	002	B T S RESEARCH	03-OCT-18

Count	Scientific Name	Common Name
000083	<i>Canis lupus familiaris</i>	DOG ADULT
000016	<i>Macaca fascicularis</i>	CRAB-EATING MACAQUE / CYNOMOLGUS MONKEY
000012	<i>Macaca mulatta</i>	RHESUS MACAQUE
<b>000111</b>	<b>Total</b>	



## Inspection Report

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B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 003  
B T S RESEARCH

Type: FOCUSED INSPECTION  
Date: 03-OCT-2018

---

No non-compliant items identified during this inspection.

This inspection focused on the regulated animals currently at the facility.

This inspection and exit interview were conducted with facility representatives.

---

**Prepared By:**

FRANK KATHARINE, D V M      USDA, APHIS, Animal Care

**Date:**  
09-OCT-2018

**Title:** VETERINARY MEDICAL OFFICER 6091

**Received By:**

(b) (6), (b) (7)(C)

**Title:** SENT BY EMAIL  
19-03977\_000023

**Date:**  
09-OCT-2018



## Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	003	B T S RESEARCH	03-OCT-18

Count	Scientific Name	Common Name
000038	<i>Cavia porcellus</i>	DOMESTIC GUINEA PIG
000051	<i>Macaca fascicularis</i>	CRAB-EATING MACAQUE / CYNOMOLGUS MONKEY
000012	<i>Oryctolagus cuniculus</i>	DOMESTIC RABBIT / EUROPEAN RABBIT
000001	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
<b>000102</b>	<b>Total</b>	



## Inspection Report

B T S Research  
P.O. Box 910418  
San Diego, CA 92191

Customer ID: **322137**  
Certificate: **93-R-0532**  
Site: 003  
B T S RESEARCH

Type: ROUTINE INSPECTION  
Date: 03-APR-2019

### 3.80(a)(2)(ii) CRITICAL

#### PRIMARY ENCLOSURES.

A cynomolgus macaque was found deceased in his cage one morning, having been trapped between the squeeze bar and cage door overnight. Presumably, the squeeze had been activated by the affected animal or his cage mate at some point during the night. Necropsy showed bruising from the animal trying to free himself, with no other significant findings that would have caused death.

This incident was reported to USDA Animal Care. The facility promptly instituted preventative measures, including the use of chains/locks to prevent inadvertent activation or animal manipulation of squeeze mechanisms, and reminding staff to check the squeeze mechanisms several times a day.

Primary enclosures must be constructed and maintained so that they protect the nonhuman primates from injury.

#### CORRECTED PRIOR TO INSPECTION.

This inspection and exit interview were conducted with facility representatives.

#### Additional Inspectors

Schnell Michael, Veterinary Medical Officer

#### Prepared By:

WHITE AMANDA, D V M USDA, APHIS, Animal Care

Title: VETERINARY MEDICAL OFFICER 6131

Date:  
05-APR-2019

#### Received By:

SAMI ABUNADI

Title: PRESIDENT AND CEO  
19-03977\_000025

Date:  
05-APR-2019



## Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
322137	93-R-0532	003	B T S RESEARCH	03-APR-19

Count	Scientific Name	Common Name
000021	<i>Macaca fascicularis</i>	CRAB-EATING MACAQUE / CYNOMOLGUS MONKEY
000003	<i>Oryctolagus cuniculus</i>	DOMESTIC RABBIT / EUROPEAN RABBIT
000002	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
<b>000026</b>	<b>Total</b>	



**Institutional Animal Care and Use Committee (IACUC)**

**Meeting Minutes  
September 13, 2018**

**Members Present**

**Members Absent**

[REDACTED]

**1. Adverse Events Report**

- Animal 2003 was found dead in room 103 by husbandry staff around 0710 am on Sunday Aug 26, 2018. The squeeze forward was activated to full range and the animal was trapped between the squeeze bar and door. [REDACTED] felt that the cage mate must have pushed the squeeze bar mechanism to capacity as it was not likely animal 2003 could not have done this on his own. The husbandry staff also stated the cage mate was the dominant one and the animal 2003 may have activated the mechanism to get away from the cage mate.

Necropsy showed bruising on the legs and lower abdomen from trying to free himself, otherwise no significant findings that would have caused death.

USDA was notified of the incident.

**Prevention of future incidence:** Chains or locks have been placed on the squeeze back mechanism for most cages to prevent the animals from reaching the squeeze activator. There are still a few cages that need chains or locks to be place. Staff was reminded to check the squeeze mechanism several times a day.

**Follow-up on 20 Sep 2018:** During an audit in the morning of 20 Sep, IACUC members noted a few cages that still needed chains or locks to be placed on the locking mechanisms. A reminder was sent out and the IACUC noted additional chains and locks being applied later that same afternoon.

[REDACTED]

Exact Copy  
Initial  
Date 03 Apr 2019

[REDACTED]

**Photographer: AMANDA WHITE**

**Date and Time:**

**Inspection No: 2016082569425358**

**Description:**

IACUC Minutes\_322137\_3\_BTS\_03APR2019

**Certificate: 93-R-0532**

**Legal Name:**

**B T S RESEARCH**





United States  
Department of  
Agriculture

Marketing and  
Regulatory  
Programs

Animal and  
Plant Health  
Inspection  
Service

Animal Care

EXPIRATION DATE: AUGUST 20, 2021

This is to certify that

B T S RESEARCH

is a registered  
under the

CLASS R RESEARCH FACILITY

## Animal Welfare Act

(7 U.S.C. 2131 et seq.)

Certificate No. 93-R-0532

Customer No. 322137

A handwritten signature in black ink, appearing to be "B. J. Long", written over a horizontal line.

Deputy Administrator

Every research facility, exhibitor, carrier, and intermediate handler not required to be licensed under Section 3 of the Animal Welfare Act, shall register with the USDA (7 USC 2136). This application provides information for such registration.		OMB No. 0579-0036 FORM APPROVED																						
<p>U.S. DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</p> <p><b>APPLICATION FOR REGISTRATION</b> (TYPE OR PRINT)</p> <p><b>REGISTRATION UPDATE</b></p>		<p><b>USDA USE ONLY</b></p> <p>Applicant should send completed form to this address. USDA APHIS ANIMAL CARE WESTERN 2150 Centre Ave. Building B, Mailstop 3W11 Fort Collins, CO 80526-8117 (970) 494-7478</p> <table border="1"><tr><td><b>CERTIFICATE NO./CUST NO:</b> 93-R-0532  322137</td><td><b>RENEWAL DATE</b>  20-Aug-2018</td></tr></table>		<b>CERTIFICATE NO./CUST NO:</b> 93-R-0532  322137	<b>RENEWAL DATE</b>  20-Aug-2018																			
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<p>1. REGISTRANT (Name and permanent mailing address, including Zip Code)</p> <p>B T S Research P.O. Box 910418 San Diego, CA 92191</p> <p>COUNTY: San Diego TELEPHONE (858) 605 - 5882</p>		<p>2. LOCATION (S) OF BUSINESS, EXHIBITION SITE(S), OR RESEARCH FACILITIES (Use additional sheets if necessary)</p> <p>(b) (7)(F)</p>																						
<p>3. (A) PREVIOUS USDA REGISTRATION NUMBER (IF ANY)</p> <p>N/A</p>		<p>4. (B) ACTIVE USDA CERTIFICATE NUMBER(S) IN WHICH YOU HAVE AN INTEREST:</p> <p>N/A</p>																						
<p>5. ARE YOU USING FEDERAL FUNDS TO CARRY OUT RESEARCH, TESTS, OR EXPERIMENTS</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>6. TYPE OF REGISTRATION:</p> <p><input checked="" type="checkbox"/> Class E – Exhibitor <input type="checkbox"/> Class H – Intermediate Handler <input checked="" type="checkbox"/> Class R – Research Facility <input type="checkbox"/> Class T – Carrier</p>																						
<p>7. FEDERAL FUND TYPES:</p> <p><input checked="" type="checkbox"/> Award <input type="checkbox"/> Contract <input type="checkbox"/> Grant <input type="checkbox"/> Loan</p>		<p>8. TYPE OF ORGANIZATION:</p> <p><input type="checkbox"/> Partnership <input type="checkbox"/> Corporation <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Other (Specify)</p>																						
<p>9. IF INDIVIDUAL IDENTIFY EACH OWNER, IF PARTNERSHIP IDENTIFY EACH PARTNER OR OFFICER, IF CORPORATION, IDENTIFY PRINCIPAL OFFICERS FOR RESEARCH FACILITIES INCLUDE THE INSTITUTIONAL OFFICIAL (Use separate sheet if needed)</p> <table border="1"><thead><tr><th>A. NAME</th><th>B. TITLE</th><th>C. ADDRESS (full address, including ZIP Code)</th></tr></thead><tbody><tr><td>Usama Abunadi</td><td>CEO/Institutional Official</td><td>(b) (6), (b) (7)(C)</td></tr><tr><td>(b) (6), (b) (7)(C)</td><td>(b) (6), (b) (7)(C)</td><td>(b) (6), (b) (7)(C)</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table>				A. NAME	B. TITLE	C. ADDRESS (full address, including ZIP Code)	Usama Abunadi	CEO/Institutional Official	(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)												
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<p><b>CERTIFICATION</b></p> <p>I hereby register as a Research Facility, Exhibitor, Carrier, or Intermediate Handler under the Animal Welfare Act, 7 U.S.C. 2131 et seq. and I certify that the information provided herein is true and correct to the best of my knowledge. I hereby acknowledge receipt of and agree to comply with all the regulations and standards contained in 9 CFR, Subpart A, parts 1, 2 and 3. I certify that all listed persons are 18 years of age or older.</p> <table border="1"><tr><td>10. SIGNATURE (b) (6), (b) (7)(C)</td><td>11. NAME AND TITLE (Type or Print) Usama Abunadi President &amp; CEO</td><td>12. DATE SIGNED 7/16/18</td></tr></table>				10. SIGNATURE (b) (6), (b) (7)(C)	11. NAME AND TITLE (Type or Print) Usama Abunadi President & CEO	12. DATE SIGNED 7/16/18																		
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