

College of Letters and Science and Vice Chancellor for Research and Graduate Education Centers Animal Care and Use Committee Open Session - March 20, 2020

Present (voting):	
Present (nonvoting):	
Guests:	
Absent:	
willingness to meet re	alled the meeting to order at 10:30 a.m. She thanked everyone for their motely in order to promote social distancing. Dr. then read the cipating in the meeting using this format. Attendance was taken using roll
Approval of Open Se	ession Minutes of February 21, 2020
modifications. The vo	moved to approve the minutes with minor editorial provided provided
Annual Updates (Ma	rch)
with	moved to approve the annual updates. The vote was unanimous ng.

The committee reviewed and briefly discussed the designated review and veterinary verification and consultation (VVC) logs.

Transfer of Protocols

A006182

Dr.	explained that the following four protocols are now the responsibility of the
LSVC due to a cha	nge in management of one facility:
4.00.5500	ECC COAD NATURE OF THE COAD

A005702	Effects of 2,4-D on Native Wisconsin Fish Species
A006260	Effects of Fluridone on Native Wisconsin Fish
A006066	Growth Promoting Phromones

She said that no action is required, but if there are any concerns, LSVC members may request that amendments be solicited from the PIs. She explained that the protocols were previously reviewed and approved by the College of Agricultural and Life Sciences IACUC. Discussion ensued and members agreed to accept the protocols as LSVC protocols.

Planktivorous fish foraging on spiny water flea

Senior Program Veterinarian Report

Dr. reported on plans to limit access at one non-human primate facility during the Covid-19 situation.

joined the meeting]

Dr. reported that updated plans for managing research activities involving animals during the current pandemic have been developed and will be distributed. She said that the UW System Emergency Operations Center (EOC) is centrally managing PPE supplies and that some buildings will have restricted access. She said that at the current time, animal program operations are fairly normal. Members thanked Dr.

Dr. summarized a recent notice from OLAW which highlights flexibilities in the PHS policy. These include the ability to delay semiannual inspections by up to 30 days, the use of ad-hoc consultants for inspections, the use of teleconferencing or videoconferencing for IACUC meetings, the ability to reduce the frequency of IACUC meetings to once per six months, and the use of designated member rather than full committee review of protocols. Institutional representatives may request temporary waivers from specific PHS requirements by contacting OLAW. She said that the USDA is also working with institutions to avoid scheduling inspections during closures or if the inspections cannot be conducted safely due to Covid-19 concern. Dr. asked Dr. to work with the Institutional Official regarding any necessary waivers and contacting VMOs to notify them of the status of UW-Madison per USDA and OLAW guidance's.

Dr. said that the WNPRC seeks IACUC temporary exemption from Animal Welfare Act Regulations, Part 3, subpart D, section 3.84(b)(2) – sanitizing indoor primary enclosures at least once every two weeks. During the COVID-19 crisis we ask that we be given IACUC approval to move sanitization to once per month. We will continue to wash each

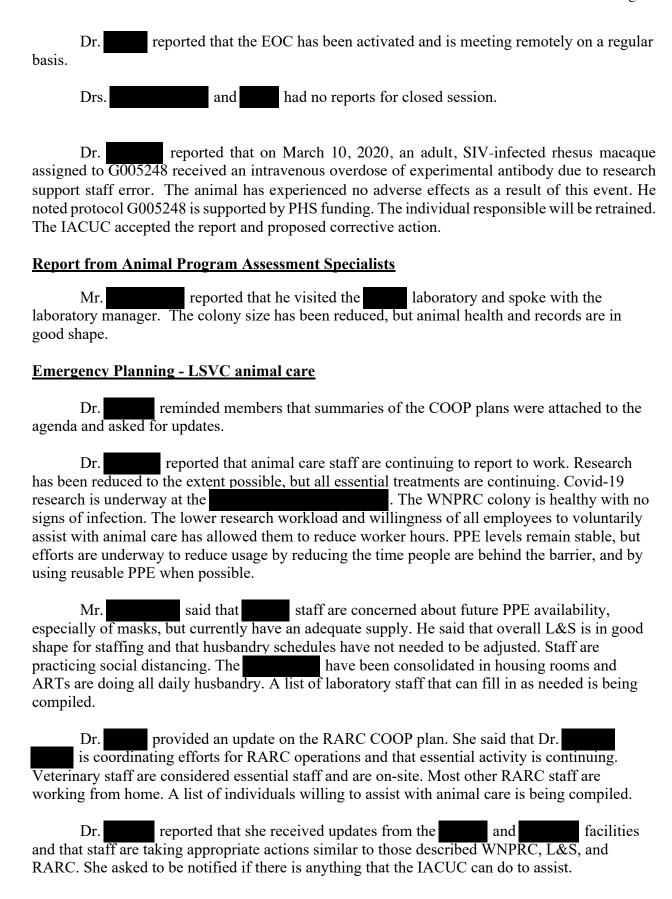
primary enclosure on a daily basis to ensure that all excreta and food waste is thoroughly removed but will only perform sanitization (e.g., sanitization in cage washer or with high pressure sprayer) once per month. Enclosures that are found to be excessively soiled will continue to be sanitized every two weeks. Discussion ensued regarding whether this extension should also apply to other species. In moved to broadly extend cage sanitation standards by two weeks program-wide in response to the pandemic because of the potential for labor shortages. The vote was unanimous.
Dr had no report for open session.
Report from Animal Program Assessment Specialists
Mr. had no report for open session.
Other Business
Ms. provided an Environmental Health and Safety update. She said essential services are continuing. The annual testing of animal transfer stations and biosafety cabinets will be delayed. The IO has provided an exemption to the normal schedule; however, testing is expected to be completed prior to the AAALAC site visit. She has asked to be involved in discussions of PPE allotment so that animal health is prioritized second to human health needs. Ms. reported that Animal Contact Risk Questionnaires (ACRQs) are continuing to be reviewed, but that UHS is not performing routine TB testing.
Dr. called for other business for Open Session. Hearing none, moved to adjourn into Closed Session for discussion of research protocols or other documents containing confidential proprietary information and personnel matters relating to such research protocols, pursuant to Wisconsin Statutes Section 19.85(1)(c), (d), (e), (f) and (g). seconded. The vote was unanimous by roll call. Ms. was invited to stay for Closed Session.
The meeting was adjourned from Closed Session without reconvening into Open Session.



College of Letters and Science and Vice Chancellor for Research and Graduate Education Centers Animal Care and Use Committee Closed Session - March 20, 2020

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Absent:	
Approval of Closed S	Session Minutes of February 21, 2020
modifications. The vo	moved to approve the minutes with minor editorial ote was unanimous.
Inspection Reports	
member informed. She inspection if they are in was able to be discussion of recent facility and knowledgeable staff. team questioned the expection of the includes an SOP for Months.	and the inspection schedule will likely be modified and that she will keep to reminded members that they should not feel obligated to go on any not comfortable doing so. She said that last week's inspection of the see completed and thanked staff for facilitating it. She then led scility inspections. Ms. said that this was her first visit to the staff that she was very impressed both with the facility and with the very Dr. provided an update from a previous inspection in which the expiration date for frozen aliquots of MS-222. She said that policy 2010-Use of Nonpharmaceutical-Grade Compounds in Research Animals. Itxing MS-222. According to that SOP, it is appropriate to use the powder from the parent bottle as the expiration date of the frozen stock

Senior Program Veterinarian Reports



Other Business

Dr. reported that she received a self-report from a PI of a protocol violation on a
marmoset project. Oral dosing had been performed since mid-February but was not included as a
route of administration on the protocol. The PI had discussed the change with SPI staff, but the
protocol was not updated. The change to oral dosing was done to improve animal welfare since it
is less stressful than intravenous dosing. The animals are doing well and there have been no
adverse effects attributable to the oral dosing. Laboratory members have been reminded of the
importance of verifying that all procedures are in the protocol before dosing. Retraining was
scheduled for March 16, 2020. The ACUC accepted the report and proposed corrective action.
Mr. said that he was asked by a PI if wild-caught starlings could be released
rather than euthanized if staff are not available to continue to care for the animals. Mr.
did not believe that would be an option. Mr.
said that they did believe that this would be an option since starling are an invasive species. Mr.
said that he will double-check and report back to Mr.

Members thanked Dr. for his hard work and many contributions to the LSVC
animal program.
r F B
Dr. and and for other hypiness for Classed Session. Hearing none. Dr.
Dr. called for other business for Closed Session. Hearing none, Dr.
adjourned the meeting from closed session at 11:56 a.m.

LOGS for LSVC ACUC - March 2020

Designated Review New/Renewal

PI	Prot #	Date Rec'd	Title	Species	N/R
	G005777-R01	2/12/20	Electrophysiology and neuroimaging of cognition in macaques	Rhesus macaque	Renewal (Called for Full committee review – February meeting)
	G005800-R01	3/2/20	Effect of senescent cell clearance on aging and metabolic phenotypes in monkeys	Macaque	Renewal
	G006290	3/3/20	Long-term neurodevelopment of Zika virus-exposed macaques	Rhesus Macaque	New

Designated Review Amendment

PI	Prot #	Date Rec'd	Title	Species	Sum of change
	G06000-A01	2/11/20	Vaccine to Induce Ab Production in Cervicovaginal Mucosa	Rhesus macaque	+ pilot study combining the systemic immunogen injection with mucosal intravaginal injection using the new immunogen and dosing strategy
	G005229- R01-A05	2/14/20	Neural processing of orientation and position in rhesus macaques	Rhesus macaque	+ nonsurgical procedures updates.
	G006040- A03	2/20/20	Placental Gene Therapy	Common marmoset, macaque	+two new approaches for placental nanoparticle delivery to the placenta, + additional cathereterization and x-ray for catheter placement, + new pilot funding, +P, updated significance and narrative sections
	G006009- A01	2/20/20	The effect of various preservation techniques on kidney function	Macaque	+ new species, updates (sent back 2/27/20 to PI to withdraw and to submit separate protocol for pig study)
	G005158- R01-A02	2/24/20	Presbyopia Studies in Non-human Primates	Macaque	+ surgical procedure, update alternative search and assignments and qualifications
	G005373- R01-A03	2/27/20	Rodent Models Core Behavior Testing	Mus, rattus	+2 behavioral procedures for the rat protocol (withdrawn 3/10/20).
	G005507- R01-A03	2/27/20	Effective Immune Responses needed to control SIV in macaques	Cynomolgus macaque, Rhesus	+ two animals, mods to funding, significance and justification experimental

			macaque	narrative and other updates
G005908-	2/28/20	Suppressing the latent reservoir with	Rhesus	+animal pilot experiment,
 A02		a Tat inhibitor	macaque	updates
L005977-	3/3/20	Neurobiology of juvenile social play	Common	+ location, updates
A05			starling,	
			rattus	
G006242- A01	3/3/20	BnAb gene expressing rhesus cell transfer and immunization to prevent AIDS virus infection.	Rhesus macaque	Modified challenge virus, updated collections procedures under non- surgical procedures
G005109- R01-A06	3/6/20	The role of ADCC (Antibody Dependent Cell Cytotoxicity) in antibody protection against mucosal SHIV challenge.	Rhesus macaque	Modified to test whether the elicited antibodies provide protection against two recombinant SHIV strains, expressing different HIV-1 envelope proteins
G0060084- A06	3/6/20	Using stem cells to treat myocardial infarction in primates	Macaque	+paralytic, +minor procedure to replace the loop recorder, + terminal surgical procedure, updates

Dual School Review

PI	Prot #	Date	Title	Species	Other Schools
		Rec'd			
	A005125-	1/30/20	Metabolic Regulation of Lipid	mus	
	R01-A02		Biogenesis in Health and		
			Disease		
	M6074-A06	2/13	Neuro- and Immunopharmacology in	Mouse, rat	
			Substance Use Disorders		

Veterinary Verification and Consultation (VVC)

PI	Prot #	Date Rec'd	Title	Species	Sum of change
	G005519-R01- V03	2/26/20	Development of animal models to better understand arbovirus pathogenesis	Mus, Rhesus macaque	Update experimental narrative to include IP injections for YFV studies, updated substance administration, updated table under animal numbers.
	G005809-V04	3/2/20	Neural Circuitry of Emotion	Common kingsnake, Macaque	+Alfaxalone, as an alternative to ketamin when collecting (CSF)

date	start	end	title	notes	travel (Min)	vm_ needed	attending
Thursday, March 12, 2020	1:00 PM	3:30 PM	2020A	TB Test & proof of Measles vaccination required. PPE provided by facility - bring comfortable closed-toed shoes	0	0	B: R: V: V:
Wednesday, March 18, 2020	1:00 PM	3:00 PM	LSVC- 2020A	TB Test & proof of Measles vaccination required. PPE provided by facility - bring comfortable closed-toed shoes	0	0	B: R: V: V:
Thursday, April 9, 2020	8:30 AM	11:00 AM	-	No prior rodent contact that morning. *USDA Species at	0	1	B: R: V:
Wednesday, April 15, 2020	1:00 PM	3:00 PM	LSVC- LSVC -Facility&Labs	Wear long pants and comfortable closed-toed shoes.	0	0	R: V: V:
Tuesday, April 28, 2020	1:00 PM	3:00 PM	LSVC- 2020A		0	0	B: R: V: V: V:
Thursday, April 30, 2020	1:00 PM	3:30 PM	LSVC- 2020A	TB Test & proof of Measles vaccination required. PPE provided by facility - bring comfortable closed-toed shoes. 30 min trip each way.	30	1	B: R: V:

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date	start	end	title	notes	travel (Min)	vm_ needed	attending
Friday, May 29, 2020	11:00 AM	1:00 PM	LSVC-	PLACEHOLDER, Date to be		8	A:
			2020A	finalized. ~4 hours each way	1440	0	V:
			2020A	ililalized. 4 flours each way	1440	U	v.

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RARC COOP Activation Provisions for Veterinary Care

1)	and	direct recovery o	f essential functions
٠,	aria	and of recovery o	1 000011tial failotione

- 2) The IO appoints an interim or acting Attending Veterinarian (AV) if unable to serve as AV. OLAW, APHIS and AAALAC will be informed of the appointment.
- 3) The minimum number of veterinary staff to provide basic clinical care is:



4) Outside entities that have agreed to consider a request to provide volunteer veterinarians and veterinary technicians if requested are:



- 5) may be consulted for advice about other sources of volunteer or contract veterinary care
- 6) All RARC veterinarians and veterinary technicians are designated as essential staff with OVCRGE Human Resources.



8) In addition, outside of RARC's COOP, serve as designated UW Emergency Operation Plan (EOP) liaisons to the Emergency Operations Center (EOC).

WNPRC COOP Activation Provisions for Animal Care

- 1) directs recovery of essential animal care functions.
- appoints an interim or acting Attending Veterinarian (AV) if unable to serve as AV. The IO and Chief Campus Veterinarian will be informed of the appointment.
- 3) The Animal Services Division of the WNPRC has a large number of staff that are experienced and able to perform animal husbandry as well as veterinary care (see chart below). In addition, there are several staff members from other units that are experienced and would be willing and able to perform many animal care duties. With so many staff members available, it is extremely unlikely that we would not be able to provide at least basic husbandry for all WNPRC animals in the event that many staff become infected and/or are required to be guarantined.

Unit	Number of Trained Personnel
Colony Management	
Veterinary Services	
Pathology Services	
SPI	
Behavior Services	
Compliance and Training	
Other Units	
Total	

4) All WNPRC Colony Management, Veterinary Services, Pathology Services, and SPI staff are designated as essential staff with OVCRGE Human Resources.



7) In addition, outside of the WNPRC's COOP, serves as a designated UW Emergency Operation Plan (EOP) liaison to the Emergency Operations Center (EOC).

L&S Animal Program plan if a pandemic occurs:

• The L&S COOP will be activated. It includes a specific Animal Care appendix.

 Staffing

- Supervisors have flexibility in scheduling duties dependent upon how many employees are sick.
 , and vivaria animal vivaria animal caretakers have been cross-trained in all 3 facilities and can be shifted based on need.
- MOUs exist between L&S non-primate animal care and SMPH-BRMS and between and WNPRC.
- In the unlikely event that all or most of the animal caretakers are ill, the lab staff will be asked to step in and perform husbandry duties (concentrating on food, water, and health checks).

Operations

- Minimally, the basics of animal care will be address food, water, and health checks
- Cage changes and cleaning can be done at longer intervals or on an as needed basis if necessary
- PIs will be asked if there are any priorities specific to their animals or research that should be attended to as well

	Animal F	acilities	Inspection Checklist		CONFIDENTIAL for ACUC Meeting			
Name Of Fa		cility 20			School/College: LSVC			
Supervisor:				Date: 02/13/20				
Inspection T	Inspection Team Members: (S), (R), (V), (E),					e created: 03/11/20		
	_		Inspection Notes	_		Tracking		
Room	Description	AMS	Comments/Notes	Correct by Date	R	Include name, date And method Of all contacts & name, date And method Of all responses. Indicate when Resolved Or Referred To Committee		
Key: A = Acc	e <mark>ptable, M = M</mark> inor de	eficiency,	S = Significant deficiency, R = Resolved, F = Full Com	mittee (vote ne	edec	d), T = To be rescheduled, N = Not inspected, Q = Question		
General comments		А						
	corridor	Α						
	Womens locker room	Α						
	garb area	Α						
	Mens locker room	Α						
	supply & storage	Α						
	necropsy	Α						
	storage	Α						
	storage	Α						
	O2 tank storage	А						
	procedures	М	MINOR: isoflurane vaporizer overdue for calibration. (First chamber.)	03/12/20	R	Initial email sent to on Thu 13 Feb, 20. @ 2020-03-06 14:01:40 Per email from 04Mar20 "4 March 2020 - isoflurane vaporizer was recalibrated."		
	surgery	A						

	Animal F	acilities	Inspection Checklist		C	CONFIDENTIAL for ACUC Meeting		
Name Of Fac	cility:	cility 20	20A	•	School/College: LSVC			
Supervisor:					Date: 02/13/20			
Inspection T	eam Members:	(S	(R), (V), (E),	(V)	File	e created: 03/11/20		
		1	Inspection Notes			Tracking		
				Correct		Include name, date And method Of all contacts & name, date And method Of all responses. Indicate when Resolved Or		
Room	Description	AMS	Comments/Notes	by Date		Referred To Committee		
Key: A = Acce			S = Significant deficiency, R = Resolved, F = Full Com	<mark>mittee (vote ne</mark>	edec	d), T = To be rescheduled, N = Not inspected, Q = Question		
	recovery	Α						
	housing							
	autoclave	Α						
	surgery	N	In use					
	surgery prep	M	MINOR: Expired vaccutainer tubes, disposed of at once.	02/13/20	R			
	procedures	М	MINOR: Multiple packs of expired anticoagulant, disposed of at once.	02/13/20	R			
	cage wash CLEAN	А						
	kitchen	Α						
loading_do ck	Rm	А						
	storage	N						
	cage wash DIRTY	Α						
	storage/janitor	А						
	(leads to emergency exit)	А						
	NS Garbing area	Α	ROLO NS					
	procedures	Α						
	procedures (А						

Animal Facilities Inspection Checklist					(CONFIDENTIAL for ACUC Meeting	
Name Of Fac	cility:	acility 20	20A	•	School/College: LSVC		
Supervisor:				_	ite: 02/13/20		
Inspection T	eam Members:	(S)	(R),	(V)	File	e created: 03/11/20	
			Inspection Notes	_		Tracking	
				Correct		Include name, date And method Of all contacts & name, date And method Of all responses. Indicate when Resolved Or	
Room	Description	AMS	Comments/Notes	by Date	R	Referred To Committee	
Key: A = Acce	eptable, M = Minor o	deficiency,	S = Significant deficiency, R = Resolved, F = Full Com	<mark>mittee (vote ne</mark>	ede	d), T = To be rescheduled, N = Not inspected, Q = Question	
	procedures	Α					
)						
	procedures	Α					
)						
	procedures	Α					
)						
	housing (non	Α					
	SPF)						
	housing (non	Α					
	SPF)						
	housing (non	Α					
	SPF)						
	housing (non	Α					
	SPF)	Α			+		
	housing (non SPF)	^					
	· ·	Α					
	storage procedures	A					
	procedures	^					
	temporary	Α					
	holding area	(
)						
	procedures	Α					
	procedures	Α					
	(
	janitor	Α					

	Animal F	acilities	Inspection Checklist		C	ONFIDENTIAL for ACUC Meeting	
Name Of Fac	cility: fa	cility 20	20A		School/College: LSVC		
Supervisor:					Da	te: 02/13/20	
Inspection T	eam Members:	(S	(V)	File	e created: 03/11/20		
			Inspection Notes	_		Tracking	
				Correct		Include name, date And method Of all contacts & name, date And method Of all responses. Indicate when Resolved Or	
Room	Description	AMS	Comments/Notes	by Date	R	Referred To Committee	
Key: A = Acce		eficiency,	-		edec	d), T = To be rescheduled, N = Not inspected, Q = Question	
	ART office,	Α					
	records						
	procedures	Α					
	housing	Α					
	housing	Α					
	housing	Α					
	housing	Α					
	housing	N	Procedures in process				
	janitor	Α					
	Admin Decom	Α	ROLO NOTE: the shop part is now				
	06Mar20		considered room per UW Space				
	now part of		Management				
	Admin Decom	Α	ROLO NOTE: this room is now considered				
	06Mar20		room per UW Space Management				
	part of						
		А	ROLO NS				
	& Testing						
	Chambers						
	NS	Α	ROLO NS				
	Procedure						
	Room						
	NS	Α	ROLO NS				
	Testing						
	Chambers						

	Animal F	acilities	Inspection Checklist		C	CONFIDENTIAL for ACUC Meeting
Name Of Fac	cility:	cility 20	20A		Scl	nool/College: LSVC
Supervisor:					Da	te: 02/13/20
Inspection T	eam Members:	(S), (R), (V),	(V)	File	e created: 03/11/20
			Inspection Notes			Tracking
				Correct		Include name, date And method Of all contacts & name, date And method Of all responses. Indicate when Resolved Or
Room	Description	AMS	Comments/Notes	by Date	R	Referred To Committee
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	NS Procedure and Testing chambers	А	ROLO NS			
	NS Lab & Testing Chambers	Α	ROLO NS			
	Admin Decom 06Mar20 now part of	Α	ROLO NOTE: this room no longer exits - it is part of			
	NS procedures	Α	Note: now in active use. ROLO: NS			
	NS Restroom	N	ROLO NOTE: this room has been converted into a restroom.			
	NS Locker Room	N	ROLO NS			
	Admin Decom 06Mar20 Now part of	N	ROLO NOTE: this room no longer exits - it is part of			

	Animal F	acilities	Inspection Checklist		C	CONFIDENTIAL for ACUC Meeting
Name Of Fac	cility:	facility	y 2020A		Scl	hool/College: LSVC
Supervisor:				Da	te: 03/05/20	
Inspection T	eam Members:	(S	(S), (V),			
(∨) ,	(R),)			File	e created: 03/11/20
			Inspection Notes			Tracking
				Correct		Include name, date And method Of all contacts & name, date And method Of all responses. Indicate when Resolved Or
Room	Description	AMS	Comments/Notes	by Date	R	Referred To Committee
Key: A = Acce	•	eficiency,		•	eded	d), T = To be rescheduled, N = Not inspected, Q = Question
General		Α				
comments						
_floor	Hallway	Α				
	Kitchen	Α				
	Storage,	Α				
	computer					
	Restroom	Α				
	Animal Housing	Α				
	Animal housing	Α				
	Animal holding	А				
	(juveniles)					
	Animal holding	Α				
	(juveniles)					
	suite / atrium	Α				
	Treatment	Α				
	[storage]	Α				
	Procedure					
	room					
	Animal holding	Α				
	Animal holding	Α				
	(juveniles)					
	Animal holding	Α				
	(juveniles)					

	Animal F	acilities	Inspection Checklist		(CONFIDENTIAL for ACUC Meeting	
Name Of Fa	cility:	facility	y 2020A		School/College: LSVC		
Supervisor:					Da	ite: 03/05/20	
	Team Members:	(S	(V),				
(∨) ,	(R),				File	e created: 03/11/20	
		•	Inspection Notes		_	Tracking	
				Correct		Include name, date And method Of all contacts & name, date And method Of all responses. Indicate when Resolved Or	
Room	Description	AMS	Comments/Notes	by Date	R	Referred To Committee	
Key: A = Acc	eptable, M = Minor d	<mark>eficiency,</mark>	S = Significant deficiency, R = Resolved, F = Full Com	mittee (vote ne	ede	d), T = To be rescheduled, N = Not inspected, Q = Question	
	Animal holding	А					
	Equipment	Α					
	wash						
_floor	hallway	А					
	Surgery	А					
	Locker room	А					
	surgery & prep	А					
	surgery & prep	А					
	room						
	Procedure	Α					
	room						
	Procedure	Α					
	room						
	Animal holding						
		А					
	Procedure	А					
	room						
		Α					
	Procedure	Α					
	Procedures	Α					
	Procedures	А					
	[Faraday cage]						
	Equipment	A					
	wash	Δ.					
	Animal holding	A					

	Animal F	acilities	Inspection Checklist		C	ONFIDENTIAL for ACUC Meeting	
Name Of Fac	cility:	facility	y 2020A		School/College: LSVC		
Supervisor:					Da	te: 03/05/20	
Inspection T	eam Members:	(S	(S), (V),				
(V),	(R),				File	e created: 03/11/20	
			Inspection Notes			Tracking	
				Correct		Include name, date And method Of all contacts & name, date	
Room	Description	AMS	Comments/Notes	by Date	R	And method Of all responses. Indicate when Resolved Or Referred To Committee	
	•		-		eded	d), T = To be rescheduled, N = Not inspected, Q = Question	
	Hallway	Α					
	Animal holding	Α					
	Locker room	Α					
	Restroom	Α					
	Animal holding	Α					
	[storage] Office	Α					
	& pharmacy						
	Animal holding	Α					
	Animal holding	Α					
	Food	Α					
	prep/storage						
	Cooler	Α					
	Animal holding	Α					
	Procedure	А					
	room						
		Α					
		Α					
	Equipment	Α					
	wash						
	Storage	Α					
	Storage	А					
	Loading dock	Α					