

Protocol Number	PI	Deviation Type	Species	# of Animals	Comments
19-1678R	(b) (6), (b) (7)(C)	Food and water restriction	Marmoset	16	If needed for motivation during testing, food and/or water may be withheld until testing is complete. Food will not be withheld for more than 4 hours, and water will not be withheld for more than 7 hours. Baseline weight will be collected prior to behavioral training, and loss of more than 10% weight from baseline will prompt a return to the general colony's feeding schedule
19-1678R		Prolonged Restraint	Marmoset	16	Restrained in chair with head restraint for training/recording sessions for up to 6 hours per day. Marmosets are gradually acclimated to chair restraint with positive reinforcement
19-1678R		Husbandry Deviation	Marmoset	16	Single housed post-surgery or if incompatible with others. Group housing in family units exceeds floor space recommendations, but cages have extensive vertical space and many non-floor surfaces available to provide ample room for all marmosets in the cage
18-1630R		Food / Fluid Regulation	Rhesus	3	Water will be available only at limited times during the day: first during the behavioral sessions and second at the end of the day when animals are done working. On days when animals are not working, their water allotment is split between the AM and PM. Amounts of water provided will vary with the animal's weight, current work regimen and habits. This water restriction paradigm is used to provide an incentive for work. Details are found in the IACUC SIG "NHP Fluid Regulation".
18-1630R		Prolonged Restraint	Rhesus	3	The animals will be seated in an NHP chair during behavioral testing for a maximum of 6 hours, up to 7 days a week. When performing tasks, the monkey also wears an aluminum halo that is affixed to the head by posts. The halo is then connected to an attachment that connects to the chair or the experimental setup table so the head cannot move. In order to prevent the animals from accessing implanted devices or gloves for data acquisition, an arm restraint may be used to limit the use of one arm. The arm restraint consists of a metal tube that one arm is placed inside or a wrist cuff with a tether (RFC 4). Arm restraint will only be used while the monkey is performing a task. A primate jacket may also be used to position small LED sensors down the length of the monkey's arm so that arm position may be tracked.
18-1630R		Multiple Major Survival Surgeries	Rhesus	3	A maximum of 6 surgically implanted devices per animal. Procedures include: placement of pedestals for head fixation, placement of posts for head fixation, implant of recoding chamber/cannulas(right and left hemispheres), implant of chronic arrays (right and left hemispheres), explant of chamber/arrays, implant repairs, and vasectomy.
18-1630R		Husbandry Deviation	Rhesus	3	Animals may not be pair housed during recovery after surgical procedures (~2-4 weeks). Suitable pairing partners may not be available for all animals.
20-1744R		Water Restriction	Rhesus	3	Water will be available only at limited times during the day: first during the behavioral sessions and second at the end of the day when animals are done working. On days when animals are not working, their water allotment is split between the AM and PM. Amounts of water provided will vary with the animal's weight, current work regimen and habits. This water restriction paradigm is used to provide an incentive for work. Details are found in the IACUC SIG "NHP Fluid Regulation".
20-1744R		Prolonged Restraint	Rhesus	3	The animals will be seated in an NHP chair during behavioral testing for a maximum of 6 hours, up to 7 days a week. When performing tasks, the monkey also wears an aluminum halo that is affixed to the head by posts. The halo is then connected to an attachment that connects to the chair or the experimental setup table so the head cannot move. In order to prevent the animals from accessing implanted devices or gloves for data acquisition, an arm restraint may be used to limit the use of one arm. The arm restraint consists of a metal tube that one arm is placed inside. Arm restraint will only be used while the monkey is performing a task. A primate jacket may also be used to position small LED sensors down the length of the monkey's arm so that arm position may be tracked.
20-1744R		Husbandry Deviation	Rhesus	3	Animals may not be pair housed during recovery after surgical procedures (~2-4 weeks). Suitable pairing partners may not be available for all animals.
20-1743R		Water Restriction	Rhesus	4	Water will be available only at limited times during the day: first during the behavioral sessions and second at the end of the day when animals are done working. On days when animals are not working, their water allotment is split between the AM and PM. Amounts of water provided will vary with the animal's weight, current work regimen and habits. This water restriction paradigm is used to provide an incentive for work. Details are found in the IACUC SIG "NHP Fluid Regulation".
20-1743R		Prolonged Restraint	Rhesus	4	The animals will be seated in an NHP chair during behavioral testing for a maximum of 6 hours, up to 7 days a week. When performing tasks, the monkey also wears an aluminum halo that is affixed to the head by posts. The halo is then connected to an attachment that connects to the chair or the experimental setup table so the head cannot move. In order to prevent the animals from accessing implanted devices or gloves for data acquisition, an arm restraint may be used to limit the use of one arm. The arm restraint consists of a metal tube that one arm is placed inside. Arm restraint will only be used while the monkey is performing a task.
20-1743R		Husbandry Deviation	Rhesus	4	Animals may not be pair housed during recovery after surgical procedures (~2-4 weeks). Suitable pairing partners may not be available for all animals.
20-1743R		Husbandry Deviation	Chinchilla	130	Single housing may be utilized under certain circumstances (e.g., fighting, treatment of clinical conditions, lack of compatible cagemates)
17-1533R		Food Restriction	Cat	2	Food is withheld overnight (~16 hours) prior to any surgical procedures, and for ~3 hours prior to microstimulation sessions (min duration of 3 days between sessions)
17-1533R		Prolonged Restraint	Cat	2	Zippered cat restraint bag may be used during recording for up to 60 minutes several times per week