

Name: _____ Date completed: _____

Mouse Biotechnology Skills Checklist

✓ = Skill completed

N/A = Skill not attempted (e.g., not on current IACUC protocol)

Mouse Handling and Restraint

	Open microisolator cage using correct technique
	Remove mouse from cage via tail or tunnel
	Demonstrate appropriate restraint (scruffing) grip on inanimate model

Mouse Health and Welfare

	Recognize normal versus abnormal mouse
	Identify sex of adult mice
	Explain what to do if sick or injured mouse found

Experimental Procedures

	Weigh a mouse
	Calculate maximum (survival) blood removal volume from mouse of known weight
	Identify appropriate mouse blood collection routes
	Demonstrate correct IP and SQ injection technique (on inanimate model)
	Identify appropriate mouse injection routes
	Measure correct length of oral gavage needle and restraint for gavage (inanimate model)

Needle/syringe handling and disposal

	Disinfect rubber stopper on injection bottle/vial
	Aseptically place needle onto syringe
	Break seal on syringe plunger
	Insert needle into bottle/vial for withdrawal
	Withdraw a specific amount of saline
	Demonstrate correct disposal of used sharps

CO2 Euthanasia

	Turn on CO2 gas tank
	Set and verify appropriate flowrate for cage size
	Place (inanimate) mouse in chamber or place hose end into cage
	Identify when mouse should be removed from chamber
	Turn off CO2
	Identify acceptable secondary euthanasia methods
	Dispose of mouse carcass in appropriate container and location

Instructor initials: _____