

Mouse Metabolic Phenotyping Center 2120 E.

www.mmpc.org

Galbraith Road | Cincinnati, Oh 45237

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Application for Service

Primary Contact Information

First and Last Name		Phone #	
Email		Fax #	

Principal Investigator Information

First and Last Name		Phone #	
Email		Fax #	
University/Company		Dept:	
Address		City, State, Zip Code	

Accounts Payable Information

First and Last Name		Phone #	
Email		*PO#	

*Please refer to your universities/companies purchasing policies prior to submitting samples. A quote will be provided upon request.

Veterinarian Information (required for shipment of animals)

Name		Phone #	
Email		Alternate Contact #	

Animal/Tissue Information (please specify as much as possible)

Number of Samples:						
Material provided:	Mice:	Tissue:	DNA:	RNA:	Other:	
Age of Animals:						
Gender:	Male:	Female:	Both:	Unknown:		
Current Diet:						
Strain Name: (as used in source laboratory)						
Background Strain:	129.A:	BALB/CJ:	BTBR-T+tf/J:	C57BL/10:	C57BL/6:	
	C57BLKS:	C57L:	CAST/Ei:	DBA/1J:	FVB/N:	FVB/NJ: NMRI:
	NOD:	NOD/Lt:	SJL/J:	SWR:	SWR/Bm:	SWR/JBm:
Nature of Genetic Manipulation:	(i.e. knockin, TG, WT)					
Tissue Distribution of Mutation:	Global:	Tissue-specific:	Unknown:	N/A:		

Additional Information	
Affected Locus:	
Preliminary Phenotype:	
Briefly describe biomedical research value of this strain and/or any human condition it models.	
CORE C SERVICES	
C1051 - Intestinal lipid absorption in the conscious mouse - lymph fistula (per animal)	
C1052 - Lipid Profiles (TG, CHOL, PL, NEFA) (per set of 38 samples)	
C1054 - Lipoprotein fractionation by FPLC (per sample)	
C1083-C(FPLC) - Cholesterol Assay - FPLC Fractions (each)**	
C1092-C(FPLC) - Triglyceride Assay - FPLC Fractions (each)**	
C1055 - Metabolism of chylomicrons (per animal)	
C1057 - Free Fatty Acids (NEFA) Concentration (per set of 38 samples)	
C1058 - β -hydroxybutyrate concentration (per set of 38 samples)	
C1059 - Non-invasive measurement of intestinal fat absorption (each)	
C1060 - Phospholipids concentration (per set of 38 samples)	
C1061 - Adiponectin concentration (per set of 38 samples)	
C1070 - Glucose tolerance test GTT (intraperitoneal) (per animal)	
C1071 - Glucose tolerance test GTT (oral) (per animal)	
C1072 - Insulin tolerance test (per animal)	
C1081 - C-peptide concentration (per set of 38 samples)	
C1083-A - Cholesterol (total) (per set of 38 samples)	
C1085 - Glucagon concentration (per set of 38 samples)	
C1086-A(Active) - GLP-1 concentration (per set of 38 samples)	
C1086-B(Total) - GLP-1 concentration (per set of 38 samples)	
C1087 - Glucose concentration (per set of 38 samples)	
C1088 - GIP concentration (per set of 38 samples)	
C1089 - Insulin Assay (per set of 38 samples)	
C1090 - Leptin concentration (per set of 38 samples)	
C1092-A - Triglyceride concentration (per set of 38 samples)	
C1103 - Necropsy (tissue collection) (per animal/tissue)	
C1105 - Fatty Acid analysis via GC (each)	
C1104 - Lipid extraction via folch (per set of 12 samples)	
C1083-B(CHEM) - Cholesterol Assay - Chemical Method (per set of 12 samples)*	
C1092-B(CHEM) - Triglyceride Assay - Chemical Method (per set of 12 samples)*	
*Test done in conjunction with C1104; ** Test done in conjunction with C1054	

CORE D SERVICES

- C1041 - Body Composition / Carcass Analysis (per animal)
- C1042 - Energy Expenditure Measurements (per run of 16 mice)
- C1043 - CLAMS - Activity Measurements (per run of 16 mice)
- C1044 - Meal Pattern Analysis - Food Intake Procedure (per run of 16 mice)
- C1045 - Simultaneous Energy Expenditure, Activity, and Food Intake Measurements (per run of 16 mice)
- C1106 - Telemetry - Cardiac parameters (per 8 mice)
- C1117 -Feeding & weighing food intake (per run of 8 mice)
- C1118 -Food preference tests (per run of 8 mice)
- C1119-TSE (per run of 8 mice per day in TSE apparatus)
- C1120-Running wheel cages (per run of 8 mice per day)
- C1121-Operant fixed ratio (per set of 8 mice)
- C1122-Operant progressive ratio (per set of 8 mice)
- C1123-5-choice serial reaction time trial (per set of 8 mice)
- C1124-Delayed discounting (per set of 8 mice)
- C1125-Social learning of food stimuli (per set of 8 mice)
- C1126-Conditioned taste aversion (per set of 8 mice)
- C1127-Conditioned place preference (per set of 8 mice)
- C1128-Radial arm maze (per set of 8 mice)
- C1129-Morris water maze (per set of 8 mice)
- C1130-Hole-board maze (per set of 8 mice)
- C1131-Novel object recognition test (per set of 8 mice)
- C1132-Acute stress challenge (per run of 8 mice)
- C1133-Chronic variable stress challenge (per run of 8 mice)
- C1134- Collecting post-stress plasma samples (per run of 8 mice)
- C1135- Active and passive avoidance (per set of 8 mice)
- C1136- Elevated plus maze (per run of 8 mice)
- C1137- Open field test (per run of 8 mice)
- C1138- Forced swim test (per run of 8 mice)
- C1139- Tail suspension test (per run of 8 mice)
- C1140- Sucrose preference test (per run of 8 mice)
- C1141- Cort RIA (per run of 200 tubes)
- C1142- ACTH RIA (per run of 200 tubes)
- C1143- Blood Glucose (per run of 100 samples)
- C1144- Blood Ketone (per run of 100 samples)
- C1145- Implantation of Indwelling Brain Cannulation (per set of 8 mice)
- C1146 - Administration of Experimental Compounds (per set of 8 mice)

PLEASE SUBMIT AN ELECTRONIC COPY OF YOUR SAMPLE ID LIST ALONG WITH THIS APPLICATION

For Questions Contact:

Kaitlyn Lohman

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PLEASE REMEMBER TO ACKNOWLEDGE

UC MMPC CENTER GRANT **U2C DK59630**

WHEN PUBLISHING DATA GENERATED BY OUR CORE.