University of CINCINNATI

Mouse Metabolic Phenotyping Center
2120 E. Galbraith Road| Cincinnati, Oh 45237
513.558.5423| www.uc.edu/labs/mmpc

MMPC National Mouse Metabolic Phenotyping Center

www.mmpc.org

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 purchasings 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:

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Program Coordinator

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PLEASE REMEMBER TO ACKNOWLEDGE

UC MMPC CENTER GRANT **U2C DK59630**

WHEN PUBLISHING DATA GENERATED BY OUR CORE.