I PURPOSE

Surgical packs are used to organize instruments according to what instruments are used during a particular surgery. Gloves must be used to maintain the cleanliness and sterility of the piglet experiment environment.

II SCOPE

This procedure provides instructions for the preparation of instruments, surgical packs, and gloves for surgery. Surgical packs are convenient when setting up for surgery because all instruments for use during a particular surgery are organized into their own bags.

III RESPONSIBILITIES

It is the responsibility of Metabolic Assessment Laboratory personnel to follow this procedure. It is the responsibility of supervisory personnel to ensure compliance with this procedure and to train employees and students responsible for performing this procedure. Students will report accidents to the principal investigators immediately.

IV REFERENCES

N/A

V REAGENTS AND MATERIALS

V.A. The listed equipment are examples of materials and personal protective equipment that are used for surgery (exact size of instruments may vary according to protocol).

V.A.2. 6 – 2x2 gauze squares.
V.A.3. 6, 4x4 Gauze squares.
V.A.4. 2, Packages of Q-tips (10/pack).
V.A.5. 10 – 12cm Strips of 3-0 surgical silk fastened with aluminum foil holder.
V.A.6. 2, (per surgeon) Surgical gloves, size 7½ (Dr. Borum).
V.A.7. 3, (per individual involved in survival surgery) gloves.
V.A.8. 2, Packages of Bioclusive tape.
V.A.9. 2, Strips of umbilical tape.
V.A.10. 4, 8 inch piglet restraints.
V.A.11. 1 scalp handle - long and slender.
V.A.12. 1, 10 cm Straight, toothed forceps.
V.A.13. 1, 10 cm Straight, non-toothed forceps.
V.A.14. 1, 12 cm Straight, non-toothed forceps.
V.A.15. 1, 12 cm Straight, toothed forceps.
VI EQUIPMENT

N/A

VII SAFETY PRECAUTIONS

VII.A. Members of the MAL have been trained extensively in the procedures described in this SOP.

VIII DEFINITIONS

VIII.A. Standard Operating Procedure (SOP) – Standard Operating Procedure is a document that provides instructions for completing a specific task in the lab.
VIII.B. Metabolic Assessment Laboratory (MAL) – The Metabolic Assessment Laboratory is the laboratory that will use this SOP.
VIII.C. Piglet Surgery Packs—The Piglet Surgery Packs include all instruments and materials needed for surgery
VIII.D. Piglet Restraints – Thin strips of cloth material used to tie the piglet’s limbs down and away from the surgeon.

IX PROCEDURE

IX.A. Surgical instrument pack.
 IX.A.1. The listed equipment below are examples of instruments that are used for surgery; however, exact size may vary with each protocol.
 IX.A.2. The following items should be wrapped in brown, paper bags (need 1 set per piglet).
    IX.A.2.a 1, scalpel handle (long and slender).
    IX.A.2.b 1, 10 cm forceps straight with teeth.
    IX.A.2.c 1, 10 cm forceps straight without teeth.
IX.A.2.d 1, 12 cm forceps straight without teeth.
IX.A.2.e 1, 12 cm forceps straight with teeth.
IX.A.2.f 2, 9.5 cm forceps curved without teeth.
IX.A.2.g 2, 12 cm hemostats, curved.
IX.A.2.h 2, 12 cm hemostats straight.
IX.A.2.i 2, 1.5 cm venous clamps.
IX.A.2.j 1, 11.5 cm scissors straight.
IX.A.2.k 1, 15.5 cm babcock.
IX.A.2.l 1, 12 cm needle holder.
IX.A.2.m 1, 14.5 cm scissors.
IX.A.2.n 2, Catheter inducers.

IX.B. The following items should be individually wrapped in brown, paper bags.

IX.B.1. 6, 4x4 gauze squares.
IX.B.2. 2, packages of Q-tips (10/pack).
IX.B.3. 6, 2x2 gauze squares.
IX.B.4. 1, 12 cm strips of 3-0 surgical silk fastened with aluminum foil holder.
IX.B.5. 1, Arterial catheter.
IX.B.6. 1, Gastric catheter.
IX.B.7. 1, Bladder catheter.
IX.B.8. 1, Surgical Drape (blue).
IX.B.9. 2, Umbilical Tape strips.
IX.B.10. 4, 8 inch piglet restraints.

IX.C. Surgical glove packs (need at least 5 per participant per piglet per surgery).
IX.D. It is cost-effective to sterilize your own gloves for a sterile surgery. See SOP# CP007.00 for instructions on how to autoclave gloves.
IX.E. See SOP# CP036.00 for wrapping gloves.
X ATTACHMENTS

X.A. For a list of materials and their locations, refer to SOP# CG098.00.