

SOP No:	AHT 17
SUBJECT:	Feline blood collection (syringe)
POLICY:	Operator must be experienced and competent in this technique Cats must be sedated prior to the collection of blood A second technician must be present to assist
PRECAUTIONS:	Gloves, eye protection, mask, long-sleeved gown, closed-in-shoes
EQUIPMENT:	cat carry cage Acepromazine (0.02mg/kg) Diazepam (0.2mg/kg) Ketamine (4mg/kg) 20g catheter 21g butterfly needle elastoplast fluid pump 70% alcohol microhaematocrit tubes heparin clippers sterile drape 0.9% NaCl injection port chlorhexadine scrub blood collection bag scales scissors 60mL syringe

PROCEDURE:

- 1. Premedicate the cat with acepromazine s/c**
- 2. Sedate the cat with valium/ketamine combination i/v**
- 3. Clip and surgically prepare the cephalic venipuncture site. The three stage preparation includes chlorhexadine scrub followed by a two stage alcohol application.**
- 4. Insert the peripheral catheter and connect to a 500mL collection bag containing 0.9% NaCl solution via the fluid pump.**
- 5. Commence infusion at a rate of 6ml/kg/hr**
- 6. Place the donor cat in left lateral recumbancy**
- 7. Clip and surgically prepare a 10x10cm area over the right jugular vein**
- 8. Drape the prepared surgical site with a sterile drape.**

9. Wash hands in chlorhexadine solution while assistant observes the patient.
10. Insert a 21g butterfly needle into the jugular vein (directed towards the heart) and secure with elastoplast.
11. Transfer a sample of blood from the butterfly needle into microhaematocrit tubes. Spin the tubes for 3 minutes and measure PCV and TS.
12. Draw blood through the butterfly set to a volume of 50mls using a 60mL syringe containing 8mls of heparin. Replace the cap on the syringe.
- 14 Label the syringe with date, cat number and PCV
15. Monitor the recovery of the cat.

RECOMMENDATIONS:

DATE ISSUED: 24.06.2009

REVISED:

REFERENCES

1. Knottenbelt C, Mackin A: (1998) Blood transfusions in the dog and cat. *In Practice*, p. 110-114