

SOP No: AHT 17

SUBJECT: Feline blood collection (syringe) (March 2015)

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:

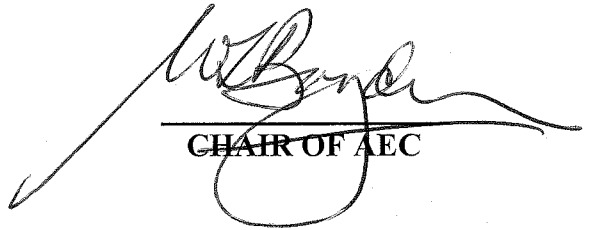
1. Premedicate the cat with acepromazine s/c
2. Sedate the cat with valium/ketamine combination i/v
3. Clip and surgically prepare the cephalic venipuncture site. The three stage preparation includes chlorhexadine scrub followed by a two stage alcohol application.
4. Insert the peripheral catheter and 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: 18.07.2012
18.03.2015



CHAIR OF AEC

REFERENCES

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