

**SOP No:** AHT 51

**SUBJECT:** MONOCLONAL (POLYCLONAL) ANTIBODY  
PRODUCTION (Rabbits)

**POLICY:** Freund's Complete Adjuvant must only be used for the priming dose and should never be used with polyacrylamide or nitrocellulose. Use Freund's Incomplete for boosting. No more than 4 immunisations are permitted without AEC approval. Intradermal or footpad injections must not be attempted without approval from the AEC. I/V injections are given without adjuvant.

**PRECAUTIONS:** Gloves, eye protection, long-sleeve gown and closed in shoes.

**EQUIPMENT:** 18 – 23g needles  
1ml Syringe (with Leur lock)  
70% Alcohol  
swabs  
Adjuvant (specify)/immunogen (specify) in 1:1 ratio.

**PROCEDURE:**

1. Shave the injection site(s) (optional) and swab with alcohol.
2. Inject emulsion (specify dose) S/C (0.1 ml/site) in the dorsal thoracic and lumbar regions.
3. Re-immunise with 0.25ml/site at 2 –4 week intervals and test bleed (10mls) after the 3<sup>rd</sup> immunization.
4. Perform terminal bleed 2 weeks after 4<sup>th</sup> immunization.

**RECOMMENDATIONS:**

1. Alternatives to FCA must always be considered.
2. Avoid the cervical region.

**DATE ISSUED:** 23.6.2004

**REVISED:** 25.02.2009

**REFERENCES**

1. Clark, A., Befus, D., O'Hashi Petal. (2002). Canadian Council on Animal Care Guidelines: Antibody Production.
2. NHMRC (2001). Guidelines on Monoclonal Antibody Production.  
<http://health.gov.au/nhmrc/research/awc/monosyn.htm>.