

- SOP No:** AHT 51
- SUBJECT:** Monoclonal (Polyclonal) Antibody Production (Rabbits)
(November 2013)
- 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:** 21-25g needles
1ml Syringe (with Leur lock)
70% Alcohol
Swabs
Adjuvant (specify)/immunogen (specify) in 1:1 ratio.
Clipper
- PROCEDURE:**
1. Clip the fur/hair from 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 3rd immunisation.
 4. Perform terminal bleed 2 weeks after 4th immunisation according to AHT 41 Heart Bleed in the Rabbit.
- RECOMMENDATIONS:**
1. Alternatives to FCA must always be considered.
 2. Avoid the cervical region.
- DATE ISSUED:** 23.06.2004
- REVISED:** 16.08.2012
10.07.2012
21.11.2013


CHAIR OF AEC

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>.
3. Jennings VM (1995) Review of selected adjuvants used in antibody production. *ILAR Journal* 37(3): 119-125