

# Polyclonal Production Protocol

## Guinea Pig Protein Schedule of Events, 115 Day

| Day: | Procedure:  |
|------|---|
| 0    | Guinea Pig<br>Pre-bleed (Avg. 1 ml serum)<br>1° SC: 200 micrograms with FCA |
| 21   | Boost SC: 100 micrograms with FIA   |
| 31   | Test Bleed (Avg. 1 ml serum)  |
| 42   | Boost SC: 100 micrograms with FIA   |
| 52   | Production Bleed (Avg. 2 ml serum)  |
| 53   | ELISA Titer Assay of Bleed *  |
| 63   | Boost SC: 100 micrograms with FIA   |
| 73   | Production Bleed (Avg. 2 ml serum)  |
| 84   | Boost SC: 100 micrograms with FIA   |
| 94   | Production Bleed (Avg. 2 ml serum)  |
| 95   | ELISA Titer Assay of Bleed *  |
| 105  | Boost SC: 100 micrograms with FIA   |
| 115  | Production Bleed (Avg. 2 ml serum)  |
| 118  | Terminal bleed (Avg. 8-10 ml serum)   |

**Total material required for injection for the above program is 700 micrograms/animal.**

**If we are conjugating protein for you we assume a 20% loss of protein during conjugation.**

**Total amount of serum expected from a guinea pig on the above schedule of events is approximately 19 ml.**

**Please Note:**

- It is recommended that a minimum of three guinea pigs be used due to biological variations.
- Immunogen is emulsified in Freund's Complete Adjuvant (FCA) for initial injections. Freund's Incomplete Adjuvant (FIA) is used for all subsequent injections (boosts). Projects follow a three-week cycle of boosts. Test bleeds are taken approximately 10 days after the boosts.

**\*Optional ELISA:** We suggest testing the first bleed of the project to evaluate the effect of antigen on the animal. Information gained from an ELISA at this point will provide an opportunity for you to make adjustments to your immunization schedule. Additional ELISA's performed later in the project will give you valuable information that can be used to determine which sera samples to include in your research or which bleeds you would like to have purified.