

# BIOLOGICAL PRODUCTS

IMVS 2216/A PAGE 1/1

*info.doc*

[www.imvs.sa.gov.au/vet](http://www.imvs.sa.gov.au/vet)

## Normal Serum - Stock Items

### PRODUCT

Blood is collected by venipuncture or cardiac puncture from healthy donor or excess colony animals. All blood collection methods and volumes are approved by the IMVS Animal Ethics Committee. The serum is usually separated from the clotted red cells within 4 hours of collection. All products are available in the nominated volumes only and are stored and shipped frozen. Please refer to our **Stock Items (Serum and Plasma) Price List**.

This product is produced in minimum batch sizes, which vary from species to species. The blood is collected into containers which may be plain or contain clotting accelerants and is allowed to clot for 2-3 hours before processing. After centrifugation and separation from the clot the serum is 0.2µm filtered, dispensed into the nominated volume and frozen and stored below minus 70°C.

### NORMAL SERUM (SMALL VOLUMES)

Although all precautions are taken to minimise contamination, the product is not sterility tested and is not classified as a sterile product.

Chicken	Guinea Pig	Mouse	Rat
Goat	Horse	Rabbit	Sheep

### STERILE NORMAL SERUM (LARGE VOLUMES)

Prior to freezing, a sample of the product is retained for sterility testing (see below) and released for sale once sterility testing has been completed.

Chicken	Goat	Rabbit
---------	------	--------

Horse and sheep serum are usually produced from defibrinated blood. This serum is separated from the red cells within 48 hours of collection, 0.2µm filtered, dispensed into the nominated volume and a sample retained for sterility testing.

**Heat Inactivated** horse serum is incubated in a 56°C water bath for 30 minutes prior to freezing. The product is then frozen at below minus 70°C and released for sale once sterility testing has been completed.

Horse	Horse - Heat Inactivated	Sheep
-------	--------------------------	-------

### Quality Assurance - Bacterial Sterility Testing

A sample of 5-10mls of serum is taken from each batch of product and cultured into aerobic and anaerobic blood culture broths and incubated at 37°C for 3-5 days. Samples of each broth are then transferred onto blood agar plates and incubated for another 2 days. When no bacterial growth occurs after 5-7 days, a Quality Assurance report is issued declaring it to be a sterile product.

### PACKAGING AND STORAGE

These products are stored below minus 70°C and shipped on dry ice. They are stable indefinitely if stored continuously at this temperature. Product life is 1-2 years at minus 20°C depending on application.

### CAUTION

This product is for **in vitro laboratory use only**, and must not be used in any therapeutic or test procedures involving humans or animals. Do not ingest and avoid direct contact with serum. Although this is normal serum collected from healthy animals, the usual safety precautions when handling material of biological origin should be followed. All materials should be considered to be potentially infectious and handled and disposed of with proper precautions.



IMVS Veterinary Services Division

**phone** +61 8 8261 1033 **fax** +61 8 8261 2280 **e-mail** [vet.services@imvs.sa.gov.au](mailto:vet.services@imvs.sa.gov.au)



\*The IMVS makes no express or implied warranties in respect of the Supply except where this would contravene any statute or where the exclusion of an express or implied term, condition or warranty would be void (collectively, "Non-excludable Warranty"). However, where exclusion of express or implied warranties does not constitute a Non-excludable Warranty, IMVS excludes all warranties, terms and conditions and all liability to the Client for consequential or indirect loss or damages. In any event, in respect of both Non-excludable Warranties and excludable warranties, the IMVS' liability arising from anything under this Supply is limited, at the IMVS' election, to an amount equal to the payment received from the Client for the Supply or the repeat provision of the Supply.\*