



TECHNICAL DATASHEET

- General informations

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|---------------------|---|
| Product | : Lamb serum raw |
| Code n° | : 5.LS (5 litres jug) |
| Batch sizes | : from 50 to 500 liters |
| Filling sizes | : 5 litres jug |
| Origin | : Italy |
| Shelf life | : 3 years from date of production if the product is stored at proper temperature and without any cycle of freeze and thaw |
| Storage Temperature | : - 10 °C to -20 °C |

Use: Further manufacturing in bio-pharmaceutical field. Not for human or animal consumption.

Stability and storage: The product must be stored in a temperature range within -5 °C and -20 °C. If stored at this temperature range the serum is stable for three years from the date of production. It is recommended to not make more than one cycle of freeze and thaw, but to make various aliquots.

Turbid material or flocculation can be observed if the product is thawed or stored for a long time at cold temperatures, this is common concerning serum and it is not detriment of its functionality.



- Biological specifications

| Biochemical Tests | | |
|---|-----------------------------------|----------------|
| Test | Specifications | Results |
| Total protein <i>BCA method</i> | 4,0 – 7,0 g/dL | |
| Hemoglobin <i>Triton/NaOH method</i> | < 50 mg/dL | |
| Endotoxin <i>LAL Kinetic Method</i> | < 50 EU/mL | |
| pH <i>pHmeter</i> | 7,0 – 8,0 | |
| Osmolality <i>Osmometer Freezing reduction point</i> | 250 – 350 mOsm/KgH ₂ O | |