



**AGRO-BIO**  
The Proteomic &  
Immune Response

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# Protocol for the production of mice liquid ascites

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EN

Agro-Bio has developed a time-optimized immunization protocol, yielding quality antibodies. The production of liquid ascites is a rapid technique for obtaining monoclonal antibodies in large quantities. Injecting pristane aims to prepare the peritoneum of the mice receiving cells by inhibiting the animal's immune system. It therefore promotes the development of ascites.

With our **45 to 60-day** standard protocol, you can get an average of **2 to 5 mL of liquid ascites that may contain 0.5 to 5 mg / mL antibodies (depending on clones)**, representing an average production of approximately **8-9 mg / mouse**.

<b>Possible volumes:</b>	<b>&gt; 20 mL of liquid ascite (possible production until x L)</b>
<b>Species:</b>	Former breeding Balb/C mouse Other mice are available on request
<b>Antigens:</b>	Hybridoma cells ready to be injected or frozen cells (Agro-Bio proposes the thawing and the re-culture of cells and preparation of cells for injection).
<b>Antigen quantities:</b>	3.10 <sup>6</sup> to 5.10 <sup>6</sup> cells are required by injection and per mouse
<b>Injections:</b>	The injection of cells is achieved through intra-peritoneal route in aseptic conditions and on mice at least 15 days after their pristane injection. The injection of pristane in the peritoneal cavity of mice is associated with a high frequency of plasmacytome induction.



## Immunization Protocol

Day	D-15 to D-30	D00	D14	D30
<b>Injection</b>	Pristane	Injection of cells		
<b>Withdrawals</b>			Beginning of collection	End of collection

Within two weeks following the dispatch of your order, you will receive a provisional timetable listing the various stages of your service.

Included in our protocol:

- The purchase of animals, the quarantine period and transfer to experimentation,
- The guard of animals during the protocol,
- The injections of cells and withdrawals of ascites.

Not included in our protocol:

- The charges.

*Cf. General terms of sale.*

Agro-Bio is approved by the prefecture of Loir-et-Cher for experimentation on vertebrate animals.  
**Accreditation number: B 41-285-4**

