

## Option 2 (Cont)

Experienced farmers may wish to increase test sensitivity by direct dissection of 2-4 mm<sup>2</sup> pieces of each target organ (gill, lymphoid organs, stomach, hepatopancreas, epithelial cells and muscle) pooling these per animal in one tube. Genics can perform dissections on request. Pooling of Broodstock destructive samples in up to 5 per tube is also an option, however, resolution on your individual animal data will be lost.

Testing of 10 broodstock from a typical sized maturation tank population provides 95% confidence of detecting pathogens down to 20% prevalence level or more. Contact our team to customise your health sample plan design for your farm and maximise value.

## Explainers

### How to dissect your Broodstock

<https://youtu.be/vh8EHJ-cU4aM>

### What ethanol to use

<https://youtu.be/o7x4nTnwqWl>

### How to sterilize your equipment

<https://youtu.be/wkTE-pA4DiiY>



## Shipping

Shipping documentation and instructions can be found at -

<https://www.genics.com.au/submitsamples/>

Or scan the QR Code



## Contact

[farmerhelp@genics.com](mailto:farmerhelp@genics.com)  
[www.genics.com](http://www.genics.com)

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## Sampling Guide for Broodstock Testing



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[genics.com](http://genics.com)

# Hello

Welcome to **your sampling guide for broodstock testing**. Here you will find a list of all materials needed to complete the collection including clear instructions on the process.

## You will need

- Clean tubes
- 70% Laboratory grade ethanol
- A clean and sterile workspace
- Disposable gloves
- Sterilized scissors or scalpel

To make the testing process easier, you can now order your sampling kit at [farmerhelp@genics.com](mailto:farmerhelp@genics.com)

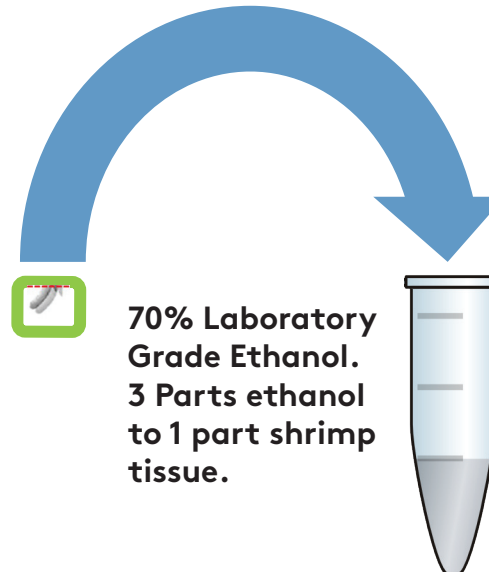
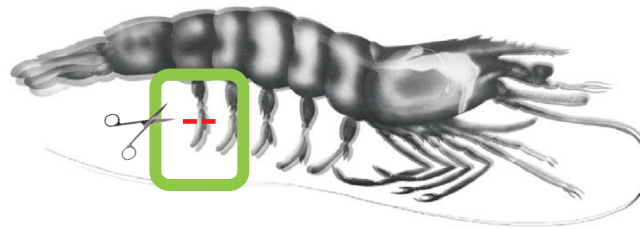


## Option 1

Non-Destructive

Cut along dotted lines to remove two pleopods from the rear of the shrimp. Place each pleopod tip in 70% laboratory grade ethanol in labelled tube.

You can pool up to 5 animals (10 pleopod tips) per sample tube. However, you will lose resolution on individual animal data which can be important for selection of high health breeders.



## Option 2

Destructive

Dissect with sterile scissors along the dotted lines 1 through to 5. Place section in box inset into labelled tube with 70% laboratory grade ethanol. This results in sampling of all target organs for sensitive pathogen detection. This option provides increased sensitivity as you have all the target organs for sensitive pathogen detection in a concentrated total volume of tissue.

