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# Beetle rearing media

 Beetle rearing mediaTina<sup>1</sup>, Yin-Tse Huang<sup>1</sup><sup>1</sup>KMU[dx.doi.org/10.17504/protocols.io.eq2lyn48rvx9/v1](https://dx.doi.org/10.17504/protocols.io.eq2lyn48rvx9/v1)

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ambrosia beetle rearing

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1 The recipe is for filling c.a. 18–20 falcon tubes (50ml).

2 First, add dry ingredients

A	B
component	amount
cycloheximide	0.175 g
Wesson's salt mixture	0.625 g
yeast	4 g
corn starch	4 g
casein	5 g
agar	15 g
sucrose	2.5 g
redbay sawdust	100 g

### 3 Second, add wet ingredients

A	B
component	amount
wheat germ oil	1.25ml
95 % ethanol	2.5ml
deionized water	290ml

- 4 Mix all the ingredients thoroughly and fill in 50ml falcon tubes.
- 5 To compress the media, use a clean 15ml falcon tube with a cap on, and press the media until it gets compressed.
- 6 Put a double-layered cotton gauze on the mouth of the filled tubes. The cap is pre-drilled with holes that allow aeration and prevent contamination.



- 7 Autoclave the filled tube at 121 °C for 30 min.
- 8 Put autoclaved tubes in an oven at 55°C for two days. (cotton gauze and cap remains on).



## 9 Happy beetle rearing!