

	<b>Xxxxxx Department</b> <b>Xxxxxx Division/Function</b>	<b>SOP #</b>	FUN00002
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<b>SOP Owner</b>		<b>Approval</b>	

## **Standard Operating Procedure**

### ***1. Purpose***

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To construct jars for fungus cultivation with non-specialized, locally available materials.

There are several ways to make a jar lid for fungus cultivation, all of which share in common several features: Allowing filtered air exchange, allowing spores or culture to be injected, and sealing the contents from outside contamination

### ***2. Scope***

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Anyone intending to use spores or liquid culture to inoculate grain will need jars which allow for injection. For grain transfer the injection port is unnecessary.

### ***3. Prerequisites***

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A basic understanding of tool and chemical safety

### ***4. Responsibilities***

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Prepare jar lids which allow for inoculation and air exchange

### ***5. Procedure***

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Take standard steel mason jar lids and drill or punch (2) 1/4-3/8" spaced 3/4" from the edge of the lid on either side.

Apply high-temp RTV silicone to one hole on a sheet of parchment, with the outside face of the jar lid face down on the parchment. Best technique is to apply a liberal dot to the parchment before laying the lid on top, then adding a small bead to seal it to the backside.

Once silicone is cured, remove from parchment and apply micropore tape to the outside face of the other hole.

Underneath this lid, add a layer of Tyvek(USPS envelope), enough to cover the entire mouth of the jar and form a seal under the lid.

Affix the ring, then add a layer of foil, ensuring there are no perforations. If perforated, add additional layer or discard and restart.

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## **6. *References***

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List resources that may be useful when performing the procedure; for example, Admin policies, Municipal Code, government standards and other SOPs.

## **7. *Definitions***

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Identify and define frequently used terms or acronyms. Provide additional and/or relevant information needed to understand this SOP.