INSTANT DROSOPHILA MEDIUM
INSECT CELL CULTURE TESTED

Product No. D7670

Product Description
Many insect diets have been formulated to mimic the insect's normal food source and provide the necessary nutritional factors to support growth and development of specific insects, including the fruitfly, *Drosophila melanogaster*. The product offered by Sigma is a modification of the formula developed by E.B. Lewis for fruitfly larvae and is formulated for medium preparation without heating.

INSTANT DROSOPHILA MEDIUM, Catalog No.D7670 is one of the insect diets available from Sigma. Although many diets will support a broad range of insect types it is important to review the literature and more specific references for recommendations concerning medium and physiological requirements for a given insect species or application.

### Components

<table>
<thead>
<tr>
<th>Component</th>
<th>g/L</th>
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</thead>
<tbody>
<tr>
<td>Corn Meal</td>
<td>127.95</td>
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<tr>
<td>Yeast, Brewers</td>
<td>22.38</td>
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<tr>
<td>Glucose</td>
<td>73.89</td>
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<tr>
<td>Sucrose</td>
<td>36.88</td>
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<tr>
<td>Soybean Fiber</td>
<td>182.69</td>
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<tr>
<td>P-Hydroxybenzoic Acid, Methyl Ester</td>
<td>1.21</td>
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</tbody>
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### Precautions and Disclaimer

**REAGENT**
For R&D use only. Not for drug, household or other uses.
MSDS Available. Caution - Substance not yet fully tested (EU)

### Preparation Instructions

1. Measure out 66% of final required volume of water. Water temperature should be at room temperature.
2. While gently stirring the water, add the powdered medium (445 g/L). Stir until dispersed.
3. Dispense diet into appropriate container(s). Store prepared diets refrigerated at 2-8°C and in the dark to retard vitamin breakdown.

### Storage and Stability

Store the dry powdered medium at 2-8 °C under dry conditions and liquid medium at 2-8 °C in the dark. Deterioration of the powdered medium may be recognized by any or all of the following: [1] color change, [2] granulation/clumping, [3] insolubility. The nature of supplements added may affect storage conditions and shelf life of the medium. Product label bears expiration date.

### Materials Required but Not Provided

Medium additives as required

### Product Profile

**Appearance** Tan powder

### Biological Performance Characteristics

Biological performance is assessed using an appropriate cell line(s).

### References


**Revised: May 2006**

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