

B1015	DROSOPHILA MEDIUM					
Formula						
Ingredients:		gms/lit.				
Brewers yeast, dried		13.30				
Corn Meal		133.00				
V-8 vegetable juice		180.00				
Methyl parahydroxybenzoate 0.093						
Agar		13.30				
Final pH (at 25°C): 6.0±0.2						
Directions:						
Suspend 34 grams in 100 ml distilled water. Heat to boiling with constant stirring for several minutes. Dispense the medium into containers as desired to obtain required depth.						
Principle:						
Dried Brewers yeast supplies vitamin and amino acid mixture for the growth of Drosophila. V-8 vegetable juice serves as a source of essential nutrients such as magnesium and potassium ions. Corn meal provides fructose as main carbohydrate source for cell proliferation. Low pH of the media will help to suppress bacterial growth and methyl parahydroxybenzoate serves as inhibitor for bacterial and fungal contaminants. For the culture of Drosophila, molten medium is poured into bottles or flasks to a depth of about 2 inches. After the medium is poured into bottles, strips of filter paper cut to the length of bottle are inserted to provide a place for the flies to pupate. The surface of the medium is then inoculated with heavy suspension of live yeast to induce the adult flies to lay eggs. A male and female fly possessing the desired genetic characters are then added to the bottles for mating. The cultures are incubated for about 12 days during which the flies begin to emerge.						
QC Tests - (I) Dehydrated Medium						
Colour:		Cream to yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH :		6.0±0.2				
Colour:		Yellowish brown				
Clarity:		opaque gel				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use:		It is recommended for the cultivation of Drosophila				
Storage:		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing:		500 gm bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1015		340.00g/l	1.470L	6.0 ± 0.2	Nil	121°C/ 15 minutes

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARK LABORATORIES publications.

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