

Ham's F-12 Medium, dry powder

Cat: C3330

Size: 1L/10L

Storage: 2-8°C, store away from light, valid for 3 years.

Introduction:

Ham's F-12 Nutrient Mixture was designed by Ham in 1969 based on Ham's F-10 nutrient mixture, originally for serum-free culture of CHO cells. Ham's F-12 is often used as the basic culture medium for serum-free culture, especially suitable for single cell culture and clonal culture at low serum content, and is also widely used in the culture of cancer cells and primary cells after adding serum, such as rat hepatocytes, rat prostate epithelial cells, chondrocytes, rat myoblasts, chicken embryonic cells, etc. In addition, after Ham's F-12 is mixed with DMEM, the obtained DMEM/F12 medium is more nutrient-rich and more widely used. This product contains many kinds of cell culture required amino acids, vitamins, inorganic salts and other components, but does not contain protein, lipids or any growth factors, so the product should be used with serum or no serum additives.

Protocols(only for reference):

1. Pour about 90% cell culture water into a container, fill a bag or weigh 1L of this product, pour all into the container, and wash the residual powder in the bag with a small amount of cell culture water.
2. Stir to dissolve all ingredients completely. After the solution is clarified, add 1.176g sodium bicarbonate and continue to stir until dissolved.
3. Add cell culture water to 1L.
4. Adjust the PH to the desired value with 1mol/L sodium hydroxide solution or 1mol/L hydrochloric acid solution if necessary.
5. Use a filter membrane with a pore size of 0.2µm for positive pressure filtration to remove bacteria.
6. At the end of filtration, you can take a little liquid medium for bacteria test, and then use it after passing. At this time, the shelf life of the liquid medium is 1 year, and the storage condition is 2~8°C.

Note: The use method takes 1L specification as an example, and other specifications can be used by adding the corresponding amount of sodium bicarbonate and fixing the volume to the corresponding specification according to the corresponding specification.

Description of conventional ingredients:

Form	Powder
L-glutamine	1mM
D-glucose	1802mg/L
HEPES buffer	none
Phenol red indicator	1.2mg/L

Notes:

1. For your safety and health, please wear lab clothes and disposable gloves and masks;

2. In order to maintain the best use of this product, please be sure to store it in accordance with the recommended storage conditions;
3. This product is for scientific research or further production use only, not for clinical diagnosis or treatment.