

Ham's F-12K Medium, dry powder

Cat: C3340

Size: 1L/10L

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

Introduction:

Ham's F-12K culture-medium is a Kaighn's modified version of Ham's F-12 nutrient mix, which increases the concentration of amino acids and pyruvate, reduces the amount of glucose, and modifies the composition and content of salts(Konigsbergs) based on Ham's F-12. Ham's F-12K culture-medium was originally designed to grow primary human hepatocytes as well as differentiated rat and chicken cells. This product contains amino acids, vitamins, inorganic salts and other ingredients required for multi-type cell culture, but does not contain proteins, lipids or any growth factors, so it should be used with or without serum additives.

Protocols(only for reference):

1. Pour about 90% ultra-pure water into a container, take 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 ultra-pure water.
2. Stir for 30min to completely dissolve all ingredients. After the solution is clarified, add 2.5g sodium bicarbonate(analytical pure) and continue to stir for 5-10min until dissolved.
3. Add ultra-pure water to 1L.
4. If necessary, use 1mol/L sodium hydroxide solution or 1mol/L hydrochloric acid solution to adjust the PH value to 7.20-7.30, because filtration will make the PH value of the medium slightly higher, so here than the target PH value(7.20-7.40) is lower.
5. Positive pressure filtration with a filter membrane with a pore size of 0.2 μ m to remove bacteria(pay attention to aseptic operation).
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	2mM
D-glucose	1260mg/L
HEPES buffer	none
Phenol red indicator	3.0mg/L

Notes:

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

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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.