



Ham's F- 10 (with HEPES)

For research use only

Catalogue number: BI-1013

Product Description

Ham's Medium has been originally developed for the clonal growth of Chinese Hamster Ovary (CHO) cells, lung cells, and mouse L-cells, with or without serum supplementation, depending on the cells type. Ham's F-10 is a medium of choice for supporting the growth of human diploid cells, white blood cells for chromosomal analysis, primary rat explants, rabbit, and chicken tissues. This product (BI-1013) is a nutrient mixture of Ham's F-10 with HEPES (15 mM), sodium pyruvate, and sodium bicarbonate. HEPES (4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid), a zwitterionic organic chemical buffering agent is used for better maintaining the physiological pH changes in carbon di

This specification is produced in two different volumes of 100ml (BI-1013-01) and 500ml (BI-1013-05).

Notes

- Respect storage conditions of the product.
- Do not use the product after the expiry date.
- Protect the product from light.
- Manipulate the product in aseptic conditions (e.g. under laminar air flow).
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. gloves, mask, and hygiene cap).
- Supplements, such as antibiotics, should be added aseptically to the medium. Storage conditions and shelf-life of the supplemented product would be affected by the nature of the Supplements.
- The medium should be clear and free of particulate and flocculent material. Do not use, if the medium is cloudy or contains a precipitate.
- In the case of using the medium in several steps, notice that after the first discharge, the air-to-medium ratio will increase inside. So, the medium will become alkaline earlier than expected. It's recommended to fill the remaining medium in 50ml sterile tubes, close tightly and use until the expiry date.
- Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific to different cell lines.
- For research use only.

Quality Control

- **Appearance:** Red, clear solution
- **pH:** 7 -7.60
- **Sterility:** tested
- **Storage:** 2-8° C; Protect from light
- **Shelf life:** 6 months



References

1. Dulbecco, R. and Freeman, G.(1959). Plaque Production by the Polyoma Virus. *Virology*. 8, 396-397.
2. Morton, H.J., (1970). A Survey of Commercially Available Tissue Culture Media. *In Vitro*. 6, 89.

Citations

1. Fayazi, Mehri, Mojdeh Salehnia, and Saeideh Ziaei. "Characteristics of Human Endometrial Stem Cells in Tissue and Isolated Cultured Cells: An Immunohistochemical Aspect." *Iranian biomedical journal* 20.2 (2016): 109.