Inactive Fetal Bovine Serum (FBS)
For research use only

Catalogue number: BI-1201

Product Description:
Fetal Bovine Serum (FBS) is the most common supplement used in cell culture. Its use at specific concentrations provides many compounds that have been shown to satisfy specific metabolic requirements for the culture of cells, including various growth promoting factors, along with a variety of undefined components. Heating serum under highly controlled conditions can inactivate various inhibitors of cell growth and factors that could interfere with immunoassays. Heat inactivation is recommended for serum used in embryonic stem cell culture to maintain long-term viability. This product is heat inactivated.

Notes:
- Respect storage conditions of the product.
- Do not use the product after the expiry date.
- To avoid contamination, wear clothes adapted to the manipulation of the product (e.g. gloves, mask, and hygiene cap).
- In the case of using the product in several steps, it's recommended to fill the remaining medium in 50ml sterile tubes and close tightly for avoiding from contamination and freeze-thawing.

Storage:
Storage conditions: -20°C
Shipping conditions: -20°C
Shelf life: 12 months.

Citations:

1. Rahmati, Shahram, et al. "Synthesis and in vitro evaluation of electrodeposited Barium titanate coating on Ti6Al4V." Journal of medical signals and sensors 6.2 (2016): 106.
2. Shabani, Somayeh Hashemi Sheikh, et al. "Peganum harmala L.'s anti-growth effect on a breast cancer cell line." Biotechnology Reports 8 (2015): 138-143.
3. Mehrabani, Davood, et al. "Growth kinetics, characterization, and plasticity of human menstrual blood stem cells." Iranian journal of medical sciences 41.2 (2016): 132.
4. Golafshan, Nasim, Mahshid Kharaziha, and Mohammadhossein Fathi. "Tough and conductive hybrid graphene-PVA: Alginate fibrous scaffolds for engineering neural construct." Carbon 111 (2017): 752-763.
5. Vahdati, Akbar, et al. "The regenerative effect of bone marrow-derived stem cells in spermatogenesis of infertile hamster." World journal of plastic surgery 6.1 (2017): 18.
6. Mehrabani, Davood, et al. "Isolation, culture, characterization, and adipogenic differentiation of heifer endometrial mesenchymal stem cells." Comparative Clinical Pathology 24.5 (2015): 1159-1164.
7. Mehrabani, Davood, et al. "Growth kinetics and characterization of human dental pulp stem cells: Comparison between third molar and first premolar teeth." Journal of clinical and experimental dentistry 9.2 (2017): e172.
8. Tamadon, Amin, et al. "Caprine endometrial mesenchymal stromal stem cell: multilineage potential, characterization, and growth kinetics in breeding and anestrous stages." Veterinary medicine international 2017 (2017).
9. Roozbahani, M., M. Kharaziha, and R. Emadi. "pH sensitive dexamethasone encapsulated laponite nanoplatelets: Release mechanism and cytotoxicity." International journal of pharmaceutics 518.1-2 (2017): 312-319.
10. Ghobadi, Farnaz, et al. "Endometrial mesenchymal stem stromal cells in mature and immature sheep: An in vitro study." International Journal of Reproductive Biomedicine 16.2 (2018): 83.
11. Sharafi, Seyedeh M., et al. "Monoclonal Antibodies Production Against a 40KDa Band of Hydatid Cyst Fluid." Recent patents on biotechnology 12.1 (2018): 57-64.