BPE: Bovine Pituitary Extract

- Description
- Details
- Products

Description

Bovine Pituitary Extract (BPE) is derived from the pituitary gland, a small endocrine gland that produces and secretes various hormones that are vital to the regulation of various bodily functions. Cell Applications? (BPE) is derived exclusively from pituitary glands of young and healthy New Zealand raised to avoid any chance of contamination from Bovine Spongiform Encephalopathy (BSE). Meat of the cattle is certified as safe for human consumption by the Department of Agriculture of both New Zealand and USA.

Our BPE is highly concentrated and contains the full spectrum of putative mitogens and growth factors that have been used effectively in promoting robust growth in a wide range of cells in vitro, especially those of epithelial origin and stem cells. It has never been lyophilized and thus maintains the full spectrum of biological activity. Because of its high purity and potency, the BPE volume required to supplement cell culture medium for healthy and robust cell growth is only a fraction of the serum volume, thus producing significant cost savings.

Products are for research use only. They are not intended for human, animal, or diagnostic applications.
Pituitary gland, from which Bovine Pituitary Extract (BPE) is obtained.

Details

Cat. Nos.          129-5 (5ml) and 129-25 (25ml)

Source:           Bovine pituitary gland derived from young (< 22 months), healthy, New Zealand-born & slaughtered animals

Physical Appearance:  Brown to reddish liquid

Total Protein:   ~14 mg/ml

Suggested Usage: BPE is provided sterile filtered

Typical Concentration: 35-70 ?g/ml or 1.25-2.5 ml per 500 ml of medium for monolayer growth of epithelial cells

Note:            Optimal concentration may vary depending on cell type

Storage:        At or below -20 ºC. Do not thaw and refreeze.

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Contact Us

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Source URL: https://www.cellapplications.com/bpe-bovine-pituitary-extract

Links