



## **Bovine Pituitary Extract – New Zealand (25mg) (BPE-NZ)**

Catalog #0753

### **Product Description**

The pituitary is a small endocrine gland which produces and secretes hormones vital to the regulation of various bodily functions. Hormones secreted by the pituitary stimulate and control the functioning of almost all other endocrine glands as well as the growth and water balance of the body. *In vitro* studies demonstrate that bovine pituitary extract (BPE) promotes epithelial cell and melanocyte proliferation [1, 2]. BPE has been widely used as an additional supplement in the culture of various epithelial cells and melanocytes.

BPE-NZ from ScienCell Research Laboratories is obtained from the extraction of fresh frozen bovine pituitary glands in saline solution. The pituitaries are collected in New Zealand, a country with no incidence of bovine spongiform encephalopathy (BSE), from facilities where animals receive ante and post mortem inspection. The pituitaries are found free of contagious diseases. The product is sterile filtered.

### **Product Use**

BPE-NZ is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

### **Storage**

Store the BPE at -20°C until ready for use. Repeated freeze-thaws will reduce activity and should be avoided by proper aliquoting.

### **Shipping**

Dry ice.

### **References**

- [1] Abdel-Naser MB. (2003) "Mitogen requirements of normal epidermal human melanocytes in a serum and tumor promoter free medium." *Eur J Dermatol.* 13(1):29-33.
- [2] Tsao, M.C., Walthall, B.J., and Ham, R.G. (1982) "Clonal growth of normal human epidermal keratinocytes in a defined medium." *J Cell Physiol.* 110(2):219-29.

*Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.*