

# Product Information

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## **Pituitary Extract, bovine**

Catalog Number **P1167**

Storage Temperature 2–8 °C

Synonyms: PEX, BPE

### **Product Description**

Pituitary Extract, bovine (PEX) is an extract of bovine pituitary tissue containing growth factors. PEX can be used to promote the growth of several types of human epithelial cells in culture.<sup>1-3</sup> Pituitary extract, bovine, is prepared using a modification of a published procedure.<sup>2</sup>

The product is lyophilized from a solution of sodium phosphate buffer containing at least 5 mg of pure bovine extract.

### **Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### **Preparation Instructions**

Reconstitute the contents of the vial with 5 mL of sterile balanced salt solution to obtain a stock solution of 1 mg/mL. Gently rotate the vial until the contents are dissolved. The stock solution may be further diluted with sterile tissue culture medium to obtain the desired working concentration.

### **Storage/Stability**

Prior to reconstitution, the product may be stored at 2–8 °C. After reconstitution, store aliquots at –20 °C. Prolonged storage of reconstituted product and repeated freezing and thawing are not recommended.

### **References**

1. Hammond, S.L., et al., *Proc. Natl. Acad. Sci. USA*, **81**, 5435 (1984).
2. Willey, J.C., et al., *J. Cell. Physio.*, **124**, 207 (1985).
3. Tsao, M.C., et al., *J. Cell. Physio.*, **110**, 219 (1985).

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