

## Insulin Solution from Bovine Pancreas For Cell Culture

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Catalog	Unit Size
TBS8099-1	1 mL
TBS8099-2	2 mL
TBS8099-5	5 mL

### DESCRIPTION

Insulin is a hormone produced by the pancreas that regulates blood glucose levels by facilitating the uptake of glucose into cells. Bovine Insulin is considered a promising alternative for diabetes research and clinical islet transplantation due to their availability and functional similarity to human islets.

The amino acid sequence of insulin is extremely well conserved. Bovine insulin differs from human insulin in only three amino acid residues, similar enough to be clinically effective in humans. Bovine Insulin is used as growth supplement in culturing cells at the concentration ranging from 1 to 10 micrograms per milliliter of medium.

### SPECIFICATIONS

**Synonyms:** Bovine insulin, Cell culture grade insulin

**Source:** Bovine

**Concentration:** 10 mg/mL Bovine insulin in 25 mM HEPES

**Application:** suitable for cell culture

### PACK SIZE

1 mL, 2 mL or 5 mL /bottle

### STORAGE

The product can be stored for 2 years from the date of manufacture at -20°C.

### RELATED PRODUCTS

MCF-7 Cell Complete Medium (TBS8047)

DMEM Medium (TBS8061)

RPMI-1640 (TBS8063)

0.1% Gelatin Solution (TBS8004)

2x HBS, pH7.05 (TBS5076)

Cell Culture Grad Water (TBS5050)

LB Medium (TBS8056)

SOB Medium (TBS8057)

SOC Broth Medium (TBS8058)

2xYT Broth Medium (TBS8059)

Collagen Type I Solution (TBS8096)

**Research Use Only**