Bovine Insulin Reference standard

Cat. No. INS-72B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Bovine
Enzyme Unit	ONE INTERNATIONAL UNIT of bovine insulin is the activity contained in 0.03891 mg of the standard for bovine insulin, by definition.
Usage	The content of an ampoule is variable. Aliquots of insulin crystals should be accurately weighed after allowing the ampoule to equilibrate at room temperature in a desiccator. No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution.
Notes	This preparation is not for administration to humans. The material is of bovine origin. The material is certified to be obtained from animals taken from a closed herd in the female line since 1980, in which no animal has been clinically suspected of having BSE & which has not been fed rations containing ruminant derived protein during that period. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
Storage	Unused ampoules should be stored at -20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

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GENE INFORMATION

Gene Name	INS insulin [Bos taurus];
Official Symbol	INS
Synonyms	insulin; proinsulin
Gene ID	280829
mRNA Refseq	NM_001185126
Protein Refseq	NP_001172055
Chromosome Location	chromosome: 29
Pathway	AMPK signaling pathway, organism-specific biosystem; Amyloids, organism-specific biosystem; HIF-1 signaling pathway, organism-specific biosystem
Function	hormone activity; identical protein binding; protein binding

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