

## Trypsin T069P

- Standard Trypsin 250 USP T069P
- Standardised on BAEE Substrate
- Highly Specific Protease Cleaves at Arginine and Lysine Sites

Our porcine food grade trypsins can be used for research processes. They are usually processed in batches of 5 to 25kg. Pre-batch samples can be sent out and a certain portion of that batch reserved for up to 60 days whilst clients put the trypsin through their own quality control protocol.

The current range of products in these application areas together with their pack sizes is correct at the revision date indicated.

### SPECIFICATION

Application	Food protein processing
Biological Source	Porcine Pancreas
Form	Powder
Working pH	6-9
Temperature range	35-55°C

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## APPLICATION & DOSAGE

### Cell Culture Research

Trypsin is the most commonly used enzyme for cell harvesting in tissue culture. Trypsin is an animal derived product and can be contaminated with viruses. This can be overcome by using trypsin of the best quality, although that does not mean the highest purity. Efficient cell detachment depends on certain side activities associated with the trypsin, unfortunately these get lost if the trypsin is too highly processed. Biocatalysts trypsins undergo the right balance of processing to achieve products with maximum efficiency for cell dissociation, yet with minimal risk of virus contamination.

Biocatalysts only process trypsin derived from porcine pancreatic glands. This avoids the risk of contamination with Bovine Spongiform Encephalopathy (BSE). All glands are derived from animals which had a veterinary certificate declaring them to be healthy at the time of slaughter. In the unlikely event that the glands were contaminated with a virus, even our standard trypsin undergoes a high acid/high temperature process to inactivate any that might be present. All our trypsins are processed to remove any contaminating blood products and mycoplasma. They are also essentially free of ammonium sulphate.

### HEALTH AND SAFETY

Always read the Health and Safety sheet (MSDS) before use and retain. If you are in any doubt about recommended product handling and safety, please contact Biocatalysts before use. Generally, when using enzymes avoid contact with the skin and eyes and do not breath dusts or aerosols containing them.

### STORAGE

Fully stable for at least 6 months when stored desiccated at 4-8°C

### FOOD STATUS

Prepared from enzymes of GRAS status and manufactured to FCC/JECFA/WHO /FAO recommendations for enzymes used in food processing. Note: Irradiated products are not permitted for food use in all countries. Please check local food regulations before use.

### GM STATUS

The production micro-organism used in this product is not a GMO. Within the proposed guidelines of the European Union regarding Genetically Modified Products, the above products would be classed as GMO free.

### QUALITY

- 1. Good Manufacturing Practice (GMP)**  
The company's integrated management system encompasses Total Quality, Health and Safety, Food Safety and GMP.
- 2. ISO9001**  
Biocatalysts Ltd is certified to BS ISO9001: 2000. Regular Audits are carried out by the British Standards Institute (BSI) to ensure continuing compliance with the standard.

### AVAILABILITY

Available in pack sizes of 1kg.  
Our food grade trypsin is now also available as a 300 USP irradiated trypsin powder and 250 USP certified specific virus free (Trysin) powder.

