

Trypsin-Chymotrypsin

Source: Swine (Bovine) pancreas

General description

Trypsin-Chymotrypsin is the co-crystal of Chymotrypsin and Trypsin so it has the properties of both. The activity of hydrolyzing casein is as much as Chymotrypsin. But the activity of its Chemotrypsin to hydrolyze N-Benzoyl-L-tyrosine ethyl ester (BTEE) is three times higher than Chemotrypsin. The activity of hydrolyze ester bond similar to that of Trypsin. It is stable when dry and easy to be inactivated in solutions. The optimum pH is 7.0-8.0.

The high purity Trypsin-Chymotrypsin of Beijing Geyuantianrun Bio-tech Co., Ltd. is purified by re-crystallization, and then by Ion Exchange Chromatography and ultra-filtration.

Application

- In the Clinical, the treatment of various inflammatory, inflammatory edema, hematoma, postoperative adhesion, ulcer, thrombus and so on and have a certain effect to chronic bronchitis asthma, gastritis, cervicitis, pelvic inflammatory disease, suppurative otitis media, prostatitis, thrombophlebitis and cerebral thrombosis.
- Application in modern industrial fields, such as senior leather depilation, softener.
- As a laboratory analysis reagent, is scientific research institutions widely used.
- Animal cell culture of tissue processing.

Specification 6:1

Items	Specification	Standard
Appearance	White or almost white powder	Enterprise Standard
Residue on Ignition	No more than 2.5%	USP33
Loss on drying	No more than 5.0%	USP33
Activity	Trypsin ≥ 2400 USP units/mg powder Chymotrypsin ≥ 400 USP units/mg powder	Enterprise Standard

Specification 1: 250

Items	Specification	Standard
Appearance	White or almost white powder	Enterprise Standard
Residue on Ignition	No more than 2.5%	USP33
Loss on drying	No more than 5.0%	USP33
Activity	Trypsin ≥ 250 USP units/mg powder Chymotrypsin ≤ 75 USP units/mg powder	Enterprise Standard

Specification 1:1

Items	Specification	Standard
Appearance	White or almost white powder	Enterprise Standard
Residue on Ignition	No more than 2.5%	USP33
Loss on drying	No more than 5.0%	USP33
Activity	Trypsin: 1000~1100 USP units/mg powder Chymotrypsin : 1000~1100 USP units/mg powder	Enterprise Standard

Storage

Sealed, Dark, at temperature 2-8°C