

Skim Milk Powder 1

DIGESTION OF SKIM MILK POWDER USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of skimmed milk powder CRM ERM-BD150 using ColdBlock™ Digestion CB12L Technology.

Method

A sample of CRM (Certified Reference Material) ERM-BD150 was digested using the following method:

- 1.0g of sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 10mL H₂SO₄ was added.
- Sample was digested at 100% power for 10 minutes.
- Chiller temperature was set to -5°C.
- After 10 minutes of digestion, 3-5 mL of H₂O₂ (30%) was added until the solution was clear, and the reaction stopped.
- Sample was allowed to cool.
- Sample was normalized to 50mL using 2% HNO₃.

Instrument

ColdBlock™ Digestion CB12L Technology.

General

This procedure is specific for the sample digested and may need modification for different samples to achieve the desired result.