

Maize

DIGESTION OF MAIZE USING COLDBLOCK™ DIGESTION TECHNOLOGY

Author: Lorie-Anne Doig

Introduction

This application note will focus on the digestion of Maize using ColdBlock™ Digestion CB12L Technology.

Method

A sample of Maize was digested using the following method:

- 0.5g of sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 5ml of HNO₃ was added.
- Chiller was set to -5°C.
- Sample was digested at 80% power for 10min.

- 5ml of H₂O₂ was added.
- Sample was digested further at 100% power for 5min.
- 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.