

# Polyethylene terephthalate Plastic

## DIGESTION OF PET PLASTIC USING COLDBLOCK™ DIGESTION TECHNOLOGY

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### Introduction

This application note will focus on the digestion of PET Plastic using ColdBlock™ Digestion Technology.

### Method

Samples were digested using the following method:

- Chiller temperature was set to -5°C
- 0.2g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 2mL H<sub>2</sub>SO<sub>4</sub> was added and sample was digested at 100% for 5 minutes
- Cool for 2 minutes, then slowly and carefully add 5mL HNO<sub>3</sub> and digest again at 100% for 2-5 minutes
- Sample was cooled and diluted 50mL using 2% HNO<sub>3</sub>.

### 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.