



NQAC

Nestlé Quality Assurance Center  
Dublin

# Technical Datasheet

**Analysis Name:** Osteopontin by LC-MS/MS

**Method Number:** NQA-55.0002

**Scope of Application:** Infant formula and Whey protein concentrate

**Description:** Extraction of OPN from infant formula with urea/ammonium bicarbonate buffer. Reduction and alkylation with dithiothreitol and Iodoacetamide. Enzymatic digestion with trypsin. Separation and quantitation of peptide YPDAVATWLKPDPSQK (YPDA\*) by Liquid Chromatography with mass spectrometry detection.

**Sample Weight Required:** 50 g

**Analytical Platform:** LC-MS/MS

**Special Information:** Indicate if values are expected to exceed 1300 mg/ 100 g

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Osteopontin	OPN	mg/100 g	10	30%