

BT-13 Tetrodotoxin in Shellfish	
Year: 2025	Participants: 12 laboratories expected
Number of rounds: 1 per year	Start exercise: October
Number of materials: 2 per round	Sample size: > 2.5 g

Participation form	Timetable	PT Scheme	Costs
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This study covers the determination of tetrodotoxine (TTX) in shellfish tissue test materials.

Test Materials

The test materials cover a range of natural unspiked biota types. Wet biota test materials are homogenised and sterilised by autoclaving. Biota test materials have been shown to be stable over a number of years when stored frozen. After receipt, samples should be analysed as soon as possible or, if this is not possible, stored in the freezer until analysis. Shellfish toxin samples, containing tetrodotoxine, are stable at room temperature for a limited amount of time (few days).

Determinands and concentration ranges

The concentration range of tetrodotoxine in the shellfish samples is given in the table below. The table also shows:

This study is coordinated together with Mirjam Klijnstra MSc, BU Contaminants & Toxins, WFSR, Wageningen the Netherlands

Determinand*	Unit	Concentration range	Error	
			Const	Prop
tetrodotoxine	µg/kg	5 - 1000		

* This exercise is not in the scope of accreditation.