

- storage of the fortified and blank samples in conditions approximating those in the field;
- timing, to coincide approximately with collection of samples in the field; and
- the procedure for adding the fortified and blank samples to those collected in the field.

Based on a survey of the literature, it was concluded that 50 or 100 ppb of either T-2 toxin or HT-2 toxin in blood, and 25 or 50 ppb of either T-2 toxin or HT-2 in urine would be appropriate. The fortified samples (and level of fortification) are identified in sections 3.4.1 and 3.4.2.

The toxins were added to the blood collection tubes immediately after the blood samples were obtained. For the urine samples, thymol (as preservative) and the mycotoxins were introduced first into the vials, then filled with urine.

Fortification was carried out from 10 ug/ml stock solutions of T-2 toxin or HT-2 toxin in 0.2M  $\text{Na}_2\text{PO}_4$  at PH 7.2. The blood and urine were obtained from a healthy Canadian citizen fifty-five years of age.