

# ISO 5667-5:2006-04 (E)

## Water quality - Sampling - Part 5: Guidance on sampling of drinking water from treatment works and piped distribution systems

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		vi
1	Scope .....	1
2	Terms and definitions .....	2
3	Design of sampling programmes .....	2
4	Sampling equipment .....	2
5	Sample collection locations .....	2
5.1	General .....	2
5.2	Service reservoirs (including water towers) .....	3
5.3	Water treatment plants .....	3
5.4	Disinfection/oxidation plants .....	3
5.5	Distribution system .....	3
6	Pre-collection cleaning, disinfection and flushing .....	7
6.1	General .....	7
6.2	Service reservoirs (including water towers) .....	7
6.3	Hydrants .....	8
6.4	Faucets .....	8
6.5	Dip sampling .....	9
7	On-site analysis of samples .....	9
8	Frequency and timing of sampling .....	9
9	Sample collection and handling .....	10
9.1	General .....	10
9.2	Volume of samples .....	10
9.3	Precautions to minimize contamination .....	10
9.4	Order of sampling .....	11
10	Sampling for particular types of analysis .....	12
10.1	Sampling for physical, chemical and radiological analysis .....	12
10.2	Sampling for microbiological analysis .....	12
10.3	Sampling for biological analysis .....	13
10.4	Sampling for virological analysis .....	13
11	Field measurements and continuous on-line monitoring .....	13
12	Sample identification and records .....	13
13	Sampling quality .....	14
13.1	General .....	14
13.2	Sampling manual .....	14
13.3	Training of samplers .....	15

13.4	Verification checking of the collection, handling, temporary storage and transport of samples .....	15
13.5	Independent reviews .....	16
	Bibliography .....	17