

# DIN EN ISO 5667-23:2011-06 (E)

## Water quality - Sampling - Part 23: Guidance on passive sampling in surface waters (ISO 5667-23:2011)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	7
4	Principle .....	8
5	Handling passive sampling devices .....	9
5.1	General .....	9
5.2	Passive sampling devices for organic compounds .....	10
5.3	Passive sampling devices for metals .....	10
6	Estimation of appropriate field deployment time .....	11
7	Passive sampling device preparation and assembly .....	11
7.1	Passive sampling device preparation .....	11
7.2	Passive sampling device assembly .....	12
7.3	Passive sampling device storage .....	12
8	Quality assurance .....	12
8.1	General .....	12
8.2	Replicate passive sampling devices in field deployment .....	12
8.3	Replicate quality control passive sampling devices .....	12
8.4	Passive sampling device controls .....	13
9	Selection of sampling site and safety precautions .....	14
9.1	Selection of sampling site .....	14
9.2	Appropriate precautions against accidents .....	14
10	Passive sampling device deployment and retrieval .....	15
10.1	Materials and apparatus .....	15
10.2	Transport .....	15
10.3	Deployment procedure .....	15
10.4	Retrieval procedure .....	16
11	Extraction of analytes from passive sampling devices and preparation for analysis .....	17
12	Analysis .....	17
13	Calculations .....	18
14	Test report .....	20
Annex A (informative)	Tables providing a summary of the main types of passive sampling devices and a summary of the methods for their calibration .....	22

<b>Annex B (normative) Materials and apparatus to be taken to the field for use in the deployment of passive sampling devices .....</b>	<b>24</b>
<b>Annex C (informative) Quality control measures .....</b>	<b>25</b>
<b>Bibliography .....</b>	<b>27</b>