

ISO 10870:2012-07 (E)

Water quality - Guidelines for the selection of sampling methods and devices for benthic macroinvertebrates in fresh waters

| Contents | | Page |
|--------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Terms and definitions | 1 |
| 3 | Principle | 2 |
| 3.1 | General | 2 |
| 3.2 | Objectives | 2 |
| 3.3 | Sampling programmes | 3 |
| 3.4 | Device and method selection | 3 |
| 4 | Benthic macroinvertebrates sampling methods and devices | 3 |
| 4.1 | General | 3 |
| 4.2 | Handnet | 3 |
| 4.3 | Surber sampler | 7 |
| 4.4 | Box sampler | 9 |
| 4.5 | Cylinder sampler | 11 |
| 4.6 | Naturalist's dredge | 12 |
| 4.7 | Ekman-Birge grab | 14 |
| 4.8 | Ponar grab | 15 |
| 4.9 | Van Veen grab | 16 |
| 4.10 | Polyp grab (orange peel grab) | 18 |
| 4.11 | Air-lift sampler | 19 |
| 4.12 | Core and tube samplers | 22 |
| 4.13 | Colonization samplers | 23 |
| Bibliography | | 26 |