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| Algal SPREC A-01 Sample Type, Collection, Processing and Culture – Examples of Standard PRE-analytical Code elements (1-7) | | | | | | | | | | | | | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | |
| Sample type | | Collecting method | | Collecting container | | In transit & stabilization | | Transit time | | Isolation & culture initiation | | Cultivation procedure | |
| Example codes for growth type, habit, ecological zone from which organisms are sampled | | Example codes for type of collecting method (e.g. by hand, net, use of tools to remove from surfaces) | | Example codes for type of containers used to collect samples *in situ* | | Example codes for how samples are stabilized in base camps, field sites; in transit to biobanks | | Example codes for holding and transit times in and from base camps, field sites to biobanks | | Example of simple codes for *in vitro* methods  1SPREC A-01 provides full technical details for initiation of cultures from free swimming, soil, substrate growth types | | Example of simple codes for axenicity, antimicrobial treatments, cultivation  1SPREC A-01 provides full technical details for culture regime, medium, vessel, environmental parameters (e.g. 18 - 20˚C, 12 : 12 h light : dark photoperiod ; irradiance 30 - 40 μmol m-2 s-1) | |
| Aerophytic  **Plankton**  Periphyton  Benthic  Epilithic  Endolithic  Epiphytic  Phycobiont  Assemblage  Snow  Hot springs  Intertidal  Urban building  Unknown  Other | A  **B**  C  D  E  F  G  H  I  J  K  L  M  X  Z | **Plankton net**  Squeezing  Scraping  Grasping  Unknown  Other | **A**  B  C  D  X  Z | Glass bottle  Polyethylene bag  **Polyethylene bottle**  Unknown  Other | A  B  **C**  X  Z | Ambient  **Chilled (ice, refrigerated 0˚C - 4˚C)**  Frozen (-18˚C to - 20˚C)  Hydrated, ambient  Hydrated, chilled (ice, refrigerated 0˚C - 4˚C)  Hydrated frozen (-18˚C to - 20˚C)  Ambient + antimicrobial  Chilled + antimicrobial  Frozen + antimicrobial  Hydrated ambient + antimicrobial  Hydrated, chilled + antimicrobial  Hydrated frozen + antimicrobial  Unknown  Other | A  **B**  C  D  E  F  G  H  I  J  K  L  X  Z | **1 - 2 days**  3 - 5 days  1 week  2 - 3 weeks  1 month  1 - 2 months  2 - 3 months  3 - 4 months  4 - 5 months  ≥ 6 months  Unknown  Other | **A**  B  C  D  E  F  G  H  I  J  X  Z | Wire loop inoculation to agar slopes  **Vortex algal drops in liquid medium, transfer to fresh liquid culture**  Comb-streak algae in drops on agar plates  Wire loop transfer of algae to agar slopes  Vortex algae in liquid medium, transfer to fresh liquid medium  Combined comb + drop inoculation method  Unknown  Other | DAS  **DAL**  CAS  CAL  DCS  DCL  X  Z | Axenic: + antibiotics, grown in glass tubes  Axenic: Dakin solution disinfection, grown in glass tubes  Axenic: + antibiotics, grown in Erlenmeyer flasks  Non-axenic: grown in glass tubes  **Non-axenic: grown in Erlenmeyer flasks**  Unknown  Other | AXA  AXB  AXC  NXA  **NXB**  X  Z |