

| Name                         | xUnit               | Fixtures            | Group fixtures        | Generators | Mocks   | Exceptions | Macros        | Templates | Grouping              | Source |
|------------------------------|---------------------|---------------------|-----------------------|------------|---|------------|---------------|-----------|-----------------------|--------|
| AerynNo                      |                     | Yes                 | Yes                   | No         | No  | Yes        | Yes           | Yes       | Yes                   | [39]   |
| API Sanity Checker           | Yes                 | Yes (spectypes)     | Yes (spectypes)       | Yes        |   |            |               |           |                       |        |
| ATFYes                       |                     |                     |                       |            |   |            | Yes           | Yes       | Yes                   |        |
| Bandit                       | No (describe/it)    | Yes (describe)      | Yes (Nested describe) | No         | No  | Yes        | Yes           | No        | Yes (Nested describe) | [40]   |
| Boost Test Library           | Yes <sup>[41]</sup> | Yes <sup>[42]</sup> | Yes <sup>[43]</sup>   | Yes        | With additional library "Turtle Mocks framework" [44] | Yes        | User decision | Yes       | Suites                |        |
| QA Systems Cantata           | No                  | Yes                 | Yes                   | Yes        | Yes   | Yes        | Yes           | Yes       | Yes                   |        |
| CATCH                        | No                  | Yes                 | Yes                   | Yes        | No  | Yes        | Yes           | Yes       | Yes                   |        |
| CATCH-VC6                    | No                  | Yes                 | Yes                   | Yes        | No  | Yes        | Yes           | Yes       | Yes                   |        |
| cfixYes                      |                     | Yes                 | No                    | No         | No  | Yes        | Yes           | No        |                       | [13]   |
| CputYes                      |                     | Yes                 | Yes                   | Yes        |   | Yes        | Yes           | No        | Suites                | [45]   |
| CppTest                      |                     | Yes                 |                       |            |   |            | Yes           |           | Suites                | [46]   |
| CppUnit                      | Yes                 | Yes                 | Yes                   | No         | No  | Yes        | Yes           | No        | Suites                |        |
| CppUTest                     | Yes                 | Yes                 | Yes                   | No         | Yes   | No         | Yes           | No        | Suites                |        |
| CppUnitLite                  | Yes                 |                     |                       | No         | No  | No         | Yes           | No        | Suites                |        |
| CPUnit                       | Yes                 | Yes                 | Yes                   | No         | No  | Yes        | Yes           | Yes       | Yes                   | [47]   |
| crpcutNo                     |                     | Yes                 |                       | No         | No  |            | Yes           | Yes       | Suites within Suites  | [48]   |
| CUTE                         | Yes                 | Yes                 | No                    | No         | Yes   | Yes        |               |           | Suites                | [49]   |
| cuteeNo                      |                     | No                  | No                    | Yes        |   |            |               |           |                       |        |
| CxxTest                      | Yes                 | Yes                 | Yes                   | No         | Yes*  | Optional   | Yes           | No        | Suites                | [51]   |
| Embunit                      | No                  |                     |                       |            | No  | Yes        |               |           |                       | [20]   |
| Exercisix                    | No                  | No                  | No                    | No         | No  | Yes        | Yes           | Yes       | Executables           |        |
| FCTX                         | Yes                 | Yes                 | Yes                   | No         | No  | No         | Yes           | No        | Yes                   | [21]   |
| Fructose                     | No                  | Yes                 | No                    | Yes        | No  | Yes        | Yes           | Yes       | No                    |        |
| Google C++ Mocking Framework |                     |                     |                       |            | Yes   | No         | Yes           | Yes       |                       |        |
| Google Test                  | Yes                 | Yes                 |                       |            | Yes   | Yes        | Yes           | Yes       |                       |        |
| Hestia                       | Yes                 | Yes                 | Yes                   | No         | Yes   | Yes        | Yes           | Yes       | Suites                |        |
| Igloo                        |                     | Yes (Contexts)      | No                    | No         | No  | Yes        | Yes           | Yes       | Yes (nested contexts) | [53]   |
| lest                         | No                  | No                  | No                    | No         | No  | Yes        | Yes           | Yes       | No                    |        |
| liblittletest                | Yes                 | Yes                 | Yes                   | No         | No  | Yes        | Yes           | Yes       | Yes                   | [54]   |
| libunittest                  | Yes                 | Yes                 | Yes                   | No         | No  | Yes        | Yes           | Yes       | Yes                   | [55]   |
| Typemock Isolator++          | Yes                 |                     |                       |            | Yes   |            | Yes           | Yes       |                       |        |
| Mockator                     |                     |                     |                       |            | Yes   | No         | Yes           | Yes       |                       |        |