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| **ORGANISM/ TESTS** | SIM/IDOLE | METHYL RED | VP | CITRATE | H2S | MOTILITY | PHENY RED/ LACTOSE | PHENYL RED/ SUCROSE | PHENYL RED/ GLUCOSE | PHENYL RED / MANITOL | PHENYL RED/ INSULIN | BILE ESCULIN | UREA | NITRATE REDUCTASE | CATALASE | OXIDASE | OXYGEN | MANNITOL |
| **C2** | Neg/ no change | Neg | Pos |  | Pos | Yes | neg  No gas pink | Neg no gas pink | No gas yellow | Red | No gas red | Pos black | Neg | Pos red | Pos | Pos |  | Neg pink |
| **C4** | Neg/ no change | Pos | Neg |  | Neg | Yes | Neg no gas pink | Neg no gas pink | No gas yellow | Red | No gas red | Neg yellow | Neg | Pos red | Neg | Neg |  | Neg ping |
| **C7** | Neg/ no change | Neg | Neg |  | Pos | Yes | N gas pink | Neg no gas pink | No gas pink | Red | No gas red | Pos black | Neg | Pos red | Pos | Neg |  | Neg pink |
| **C9** | Neg / no change | Neg | Neg |  | Neg | Yes | Pink | Neg no gas pink | Yellow no gas | Red | No gas red | Neg yellow | Neg | No change | Pos | Pos |  | Neg pink |
| **C5** | Neg/no change | Pos | Neg | Neg | Pos | Yes | Pink no gas | Yellow no gas | No gas yellow | Pink | Pink no gas | Pos | Neg | Neg | Pos | Neg |  | Neg pink |
| **C6a** | Neg /no change | Neg | Pos | Neg | Pos |  | Ping no gas | Pink no gas | No gas yellow | Yellow | No gas red | Pos | Neg | Neg | Pos | Neg |  | Yellow |
| **C6b** | Neg / no change | neg | neg | Neg | pos | Yes | Pink no gas | Yellow no gas | No gas yellow | yellow | No gas pink | pos | neg | neg | pos | neg |  | yellow |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |