

Production casing and drilling tubulars occasionally suffer from severe corrosion as the result of bacterial action. Generally these micro-organisms are classified according to oxygen requirements with anaerobic referring to the absence of or low oxygen amounts, and aerobic meaning oxygen. In aerobic environments, the species Thiobacillus accounts for most of the corrosion and may convert sulfur to sulfuric acid, which then stimulates the attack. In anaerobic environments sulfate reducing bacteria convert sulfur to hydrogen sulfide, which is both corrosive and dangerous to rig personnel.

OFI Testing Equipment inventories all of the equipment necessary for field micro-biological testing.

AEROBIC AND ANAEROBIC BACTERIA TEST KIT #180-50

The procedure utilizes an extinction dilution procedure to identify and count the number of organisms present. A minimum of five vials and syringes are required for each test with a twenty-eight day incubation period for anaerobic and a minimum five day period for aerobic vials.

Size: 6.5" x 6.5" x 6.5" (17 x 17 x 17 cm)

Weight: 13 oz (368 g)

Components:

- #153-61 Syringe with Needle, Disposable, 3 cc
- #180-36 Phenol Red Vials (green), 10 cc, Aerobic Bacteria
- #180-38 Sulfate Reducer Vials (silver), 10 cc, Anaerobic Bacteria



#180-50 Bacteria Testing Kit

Note: All bacteria cultures should be kept refrigerated for longer life.

RAPID CHECK II-SRB DETECTION SYSTEM, ANAEROBIC BACTERIA #180-60

OFITE also offers the Rapid Check II kit for testing sulfate reducing bacteria. The entire procedure takes only one hour, is not affected by chemical or salinity interferences, and has a range of 10^3 to 10^6 bacteria per milliliter.

If kept refrigerated and stored properly, shelf life is one year. Contents - 10 boxes (tests) per kit.

Size: 16" x 11" x 6" (41 x 28 x 15 cm)

Weight: 6 lb (2.7 kg)



#180-60 Rapid Check II - SRB Detection System

SANI CHECK AB KIT #110, AEROBIC BACTERIA #180-65

The Sani Check AB Kit #110 allows you to determine aerobic bacteria in aqueous and non-aqueous liquids. A saturated test paper strip is incubated for a period of 24-72 hours and then compared to a color chart to determine the bacterial count per square inch. Each kit is good for 25 tests.

Size: 4.5" x 4.25" x 2.7" (11 x 11 x 7 cm)

Weight: 6 oz (170 g)



#180-65 Sani Check AB Kit #110