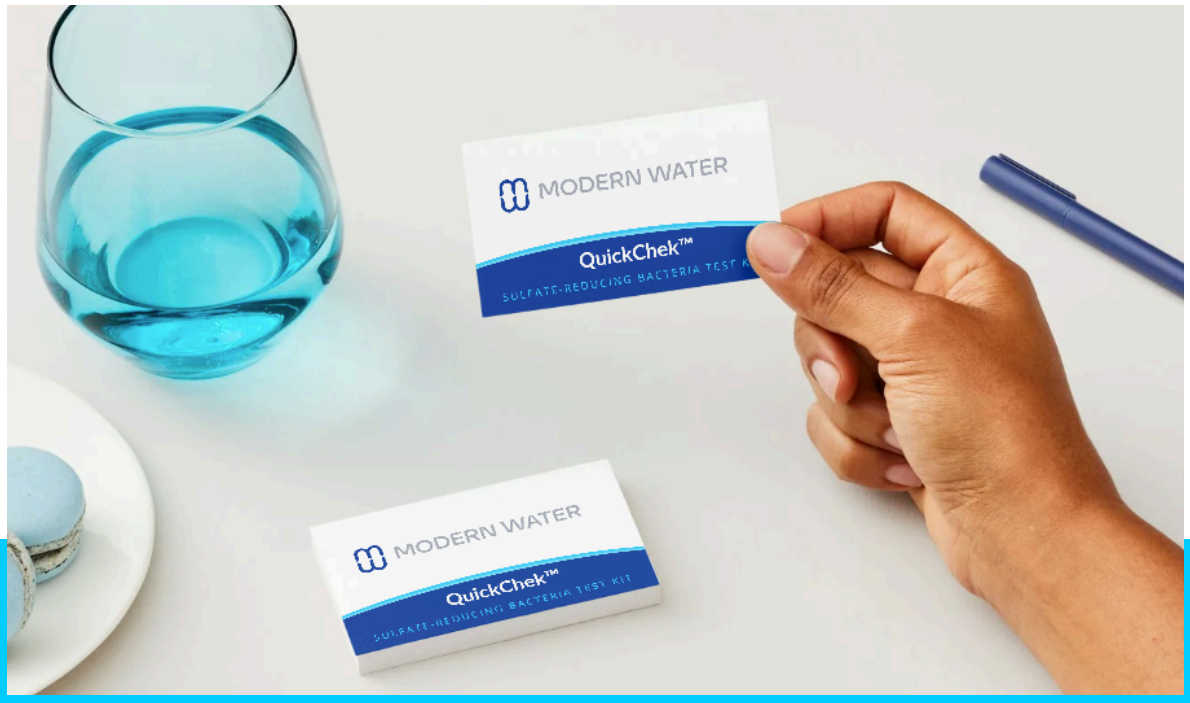
MODERN WATER
A Metir plc Trading Company

# QuickChek® SRB

## Fast. Accurate. Reliable.




### Rapid detection of Sulphate Reducing Bacteria.

Microbiologically Induced Corrosion (MIC) can cause equipment failure, reduced efficiency and unplanned downtime across industrial water systems.

**QuickChek® SRB** provides rapid on-site identification of Sulphate Reducing Bacteria (SRB), delivering results in approximately **20 minutes**, compared with days or weeks using traditional culture methods.

Designed for **field and laboratory use**, QuickChek® SRB helps operators make faster treatment decisions, optimise biocide programmes and reduce corrosion-related risks.

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# KEY BENEFITS

- Results in approximately 20 minutes
- Detects all strains of SRB
- No incubation required
- Detects viable and non-viable SRB
- Semi-quantitative results
- Suitable for water, sludge, rust, biofilms and drilling fluids
- Portable and field deployable
- No specialist laboratory equipment required
- ASTM D8243 compliant

## Applications

### Oil & Gas

» Pipeline corrosion monitoring
» Produced water testing
» Drilling fluids and muds
» Tank bottom monitoring
» Biocide treatment verification

### Boiler & Cooling Systems

» Cooling tower monitoring
» Heat exchanger protection
» Biofilm assessment
» Corrosion prevention programmes

### Power Generation & Waste Incineration

» Feedwater monitoring
» Cooling water systems
» Asset integrity programmes
» Maintenance optimisation

### Industrial Water Systems

» Corrosion coupons
» Sludge and sediment analysis
» Biofilm investigations
» Process water monitoring

## Process explained

QuickChek® SRB uses a **patented immunoassay technology** to detect Adenosine-5'-Phosphosulfonate (APS) Reductase, an enzyme common to all sulphate reducing bacteria.

The test uses purified antibodies that selectively bind to APS Reductase. When present, a colour reaction **develops on the test membrane**, allowing the concentration of SRB to be determined rapidly and accurately.

Unlike traditional culture methods, QuickChek® SRB directly detects the target enzyme and does not depend on bacterial growth. This enables detection of both **viable and non-viable SRB**.

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