Reagent blank for Iron LCK521
LCW902/LCK521

Procedure I for reagent blank determination of the LCW902 Crack-Set.
Per Batch of the LCW902, a reagent blank must be determined.

Dosing in the enclosed reaction tube

Dest. Water	10 mL
Sulfuric acid A (LCW 902 A)	1 mL
Potassium B (LCW 902 B)	2 Mini spoon

Close and swirl the reaction glass. Heat in the thermostat for 60 min at 100 ° C.

After cooling add

Sodium hydroxide C (LCW902 C)	1 mL

in the test reaction glass, close and swirl.

Procedure II LCK521

Pipette In Cuvette Test LCK521

prepared reagent blank	5 mL

Screw the cap and swirl until the lyophilisate MicroCap is dissolved. After 10 minutes swirl cuvette again, clean well outside and evaluate. Pay attention to air bubbles!

Measure the prepared cuvette as usual for LCK521. Results below the detection limit of 0.01 mg/L can be neglegted. Higher results need to be substracted from the Iron measurement result of the water sample.

Determine the reagent blank value

Hard or undissolved complex iron will not be covered within the LCK521. For this reason a digestion with Crack-Set LCW902 must be performed.

At low iron concentrations (0.01-1.0 mg/L), we recommend to increase the accuracy of measurement with the determination of a reagent blank value of LCW902.

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