LCW923 CleanUp-Set

DOC312.53.94505

Sample Preparation

LCW923—Sample CleanUp-Set

Scope and application: For LCK319

Test preparation

Test storage

Storage temperature: 15–25 °C (59–77 °F)

Before starting

Note
With **sample clean-up set LCW923** prepare samples (for the determination of **Cyanide, easily liberated** - with **Cuvette Test LCK319**) with a content up to:

75 mg/L: Sulfide (S^{2-})

200 mg/L: Sulfite (SO_3^{2-})

280 mg/L: Thiosulfate ($S_2O_3^{2-}$)

320 mg/L: Dithionite ($S_2O_4^{2-}$)

360 mg/L: Disulfite ($S_2O_5^{2-}$)

Additional to the clean-up set a **membrane-filtration set** is required (**LCW904** or **LCW916**).

The measurement results must be subjected to plausibility checks (dilute and/or spike the sample).

Special advice

After addition of the prepared sample to the digestion cuvette of LCK319 a **white turbidity** develops.

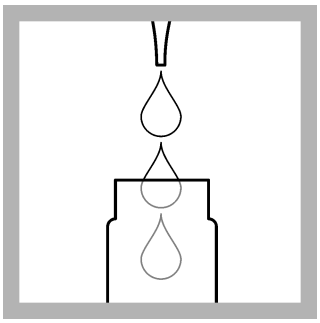
If no white turbidity develops, enlarge the amount of masking solution and reduce the sample volume, refer to: Calculation on page 2.

Review safety information and expiration date on the package.

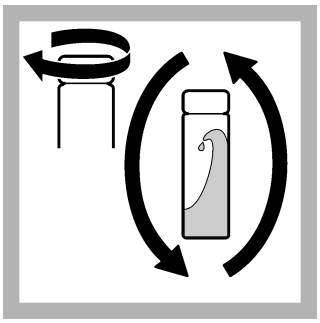
Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.

Dispose of reacted solutions according to local, state and federal regulations. Refer to the Safety Data Sheets for disposal information for unused reagents. Refer to the environmental, health and safety staff for your facility and/or local regulatory agencies for further disposal information.

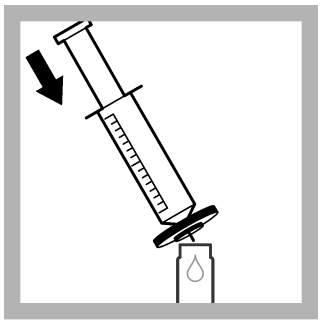
Procedure



1. Add to the enclosed reaction tube: **5.0 mL sample** and **0.5 mL masking solution**.



2. Close the reaction tube and shake.



3. Filter off the sediment with a membrane filter (Membrane-Filtration-Set **LCW904** or **LCW916**) Analyze the **prepared sample** with **LCK319 Cyanide easily liberated**.

Calculation

After successful evaluation with **LCK319** multiply the result displayed with the corresponding dilution factor.

Displayed measuring result x dilution factor = mg/L cyanide easily liberated

Sample volume	Volume of masking solution	Dilution factor
5.0 mL	0.5 mL	1.10
4.5 mL	1.0 mL	1.22
4.0 mL	1.5 mL	1.38
3.5 mL	2.0 mL	1.57

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