



Phenols Test Kit

PL-1 (2483600)

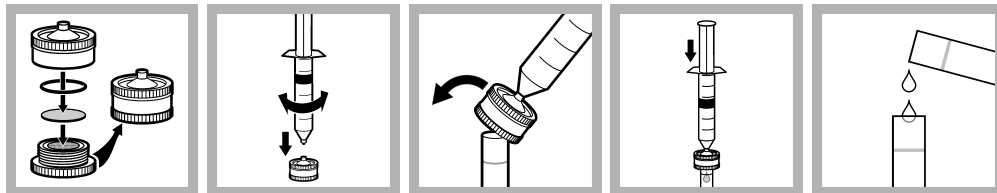
DOC326.97.00076

Test preparation

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

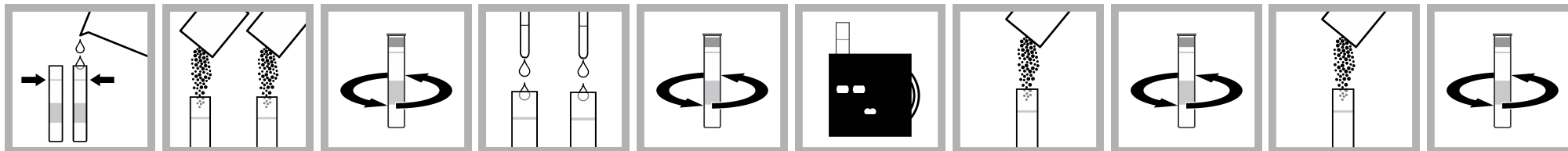
- Put the color disc on the center pin in the color comparator box (numbers to the front).
- Use sunlight or a lamp as a light source to find the color match with the color comparator box.
- Rinse the tubes with sample before the test. Rinse the tubes with deionized water after the test.
- If the color match is between two segments, use the value that is in the middle of the two segments.
- If the color disc becomes wet internally, pull apart the flat plastic sides to open the color disc. Remove the thin inner disc. Dry all parts with a soft cloth. Assemble when fully dry.
- Use the filtration procedure for samples that contain turbidity.

Filtration procedure for turbid samples



1. Put a 0.45-µm filter disc in the 25-mm filter holder. Tighten the filter holder.
2. Fill a 30-cc syringe with sample. Attach the syringe to the filter holder.
3. Put the filter holder on the tube.
4. Push the sample through the filter.
5. Use the filtered sample in the test procedure.

Test procedure—Phenols (0–5 mg/L)



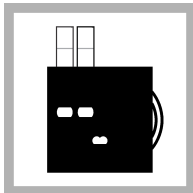
1. Fill two tubes to the top line with sample.
2. Add one EDTA Reagent Powder Pillow to each tube.
3. Put a cap on each tube. Swirl to mix until the reagent is dissolved.
4. Add 15 drops of Hardness 1 Buffer Solution to each tube.
5. Put a cap on each tube. Swirl to mix.
6. Put one tube into the left opening of the color comparator box.
7. Add one Phenol Reagent Powder Pillow for non-extraction method to the second tube.
8. Put a cap on the tube. Swirl to mix until the reagent is dissolved.
9. Add one Potassium Persulfate Powder Pillow for phosphonate to the second tube.
10. Put a cap on the tube. Swirl to mix until the reagent is dissolved.

Replacement items

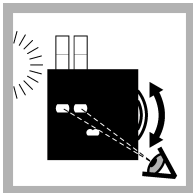
Description	Unit	Item no.
EDTA Reagent Powder Pillows	100/pkg	700599
Hardness 1 Buffer Solution	50 mL SCDB	42426
Phenol Reagent Powder Pillows, non-extraction method	100/pkg	2481569
Potassium Persulfate Powder Pillows, phosphonate	100/pkg	2084769
Color disc, phenols, 0–4 mg/L	each	9263100
Color comparator box	each	173200
Plastic viewing tubes, 18 mm, with caps	4/pkg	4660004

Optional items

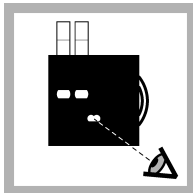
Description	Unit	Item no.
Filter holder, 25 mm, syringe with Luer-Lok® Tip	each	246800
Filter disc, 0.45 micron, 25 mm	25/pkg	2209525
Syringe, Luer-Lok® Tip, 30 cc	each	2225800
Caps for plastic viewing tubes (4660004)	4/pkg	4660014
Water, deionized	100 mL	27242



11. Put the second tube into the color comparator box.



12. Hold the color comparator box in front of a light source. Turn the color disc to find the color match.



13. Read the result in mg/L in the scale window.

