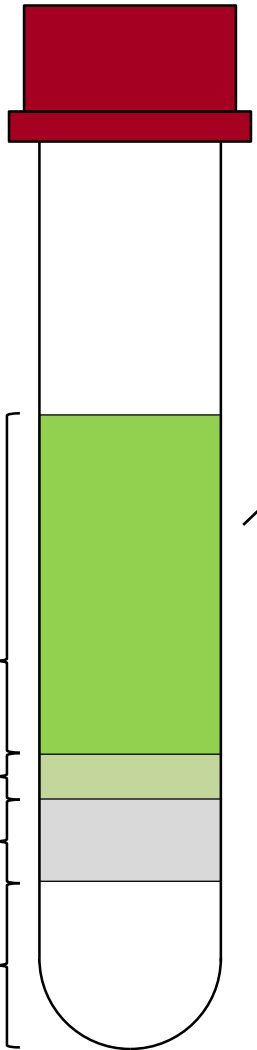


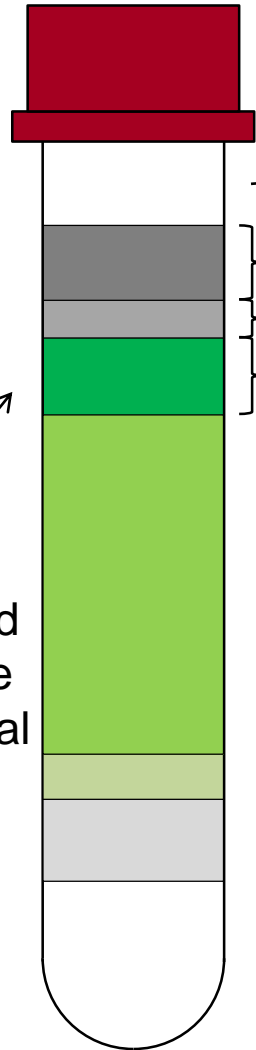
Buffer	$\text{K}_2\text{S}_2\text{O}_8$ solution
Pursuant to ISO	8.33 g/L
0.01 M CitOH	41.67 g/L
0.01 M AcOH	41.67 g/L
0.01 M MES	41.67 g/L
0.01 M MOPS	50.00 g/L
0.01 M HEPES	58.33 g/L
0.01 M EPPS	66.66 g/L
0.01 M CAPSO	66.66 g/L
0.01 M CAPS	66.66 g/L
0.01 M NaOH	8.33 g/L
1 M NaOH*	8.33 g/L

4. 4.8 mL $\text{K}_2\text{S}_2\text{O}_8$ solution
3. 0.2 mL 0.9 M H_2SO_4^*
2. (4.0 – X) mL water
1. X mL sample (max. 4.0 mL)



5. Close tight and shake
6. Boil 60 min at 150 °C
7. Cool to room temperature

Proceed with the same vial



- 0.4 mL Molybdate II solution
- 0.2 mL Ascorbic acid solution
- 0.4 mL 1.5 M NaOH solution

10. Close tight and shake
9. Wait >15 min
11. Measure absorbance at 880 nm with photometer

* At 1 M NaOH use: 0.2 mL 13.5 M H_2SO_4