

96-well Modified Prussian Blue Assay for Total Phenols

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Reagents

- 0.02 M FeCl₃ in 0.1M HCl
- 0.016 M K₃Fe(CN)₆
- Stabilizer

3:1:1 distilled water : 85% H₃PO₄ : 1% gum Arabic

Procedure

1. To each well add:
75 µL distilled water
2.5 µL Sample or solvent blank
2. In quick succession add to each well:
25 µL 0.02 M FeCl₃ in 0.1M HCl
25 µL 0.016 M K₃Fe(CN)₆
3. Immediately shake plate to mix.
4. Incubate 15 min at room temperature.
5. Add to each well 125 µL stabilizer and shake plate to mix.
6. Read absorbance at 700 nm.