

FOLATE & VITAMIN B12 SAMPLE PREPARATION

PURPOSE:

The following illustrated steps were created to help train technicians and simplify the process of sample preparation

SAMPLES:

Prepare all patients, calibrators and controls before use in the assay

GLASS TUBES:

Sample preparation must be done in glass tubes only (do not use plastic) due to the properties of glass

EXTRACTION STEPS

Step 1

- Add 100µl of sample (patient, calibrator or control) into glass tube
- **Hint** touch side of tube with pipette while dispensing at an angle near the bottom of the tube
- **Hint** prepare all samples
- **Hint** patient samples with a **high protein concentration** should be diluted 1:1 with a saline solution (before proceeding to Step 2)



Step 2

- Add 50µl of working stabilizing releasing agent (see IFU for reagent preparation) into glass tube.
- **Hint** touch side of tube with pipette while dispensing at an angle slightly above the sample (do not touch the sample to avoid contamination)
- Mix on vortex 1-2 seconds using multiple touch technique (3 x 1-2 seconds), immediately after adding the stabilizing reagent
- **Hint** mix before moving onto the next tube



150µl total volume
50µl of releasing agent
100µl of sample



Step 3

- Incubate 15 minutes

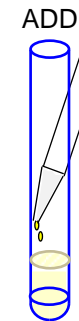


Step 5

- Use prepared samples accordingly to IFU procedure
- **Hint** for Folate, use after the 5 min wait time according to IFU procedure

Step 4

- Add 50µl of neutralizing agent into glass tubes
- **Hint** touch side of tube with pipette while dispensing at an angle slightly above the sample (do not touch the sample to avoid contamination)
- Mix on vortex 1-2 seconds using multiple touch technique (3 x 1-2 seconds), immediately after adding the stabilizing reagent
- **Hint** mix before moving onto the next tube



200µl total volume
50µl of neutralizing agent
150µl of mixed solution

