Monobind Inc.®

100 North Pointe Drive
Lake Forest, CA 92630 USA
Tel 949.951.2665 Fax 949.951.3539
Email techsupport@monobind.com

FOLATE & VITAMIN B12 SAMPLE PREPARATION

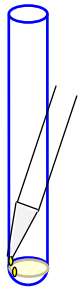
PURPOSE:
The following illustrated steps were created to help train technicians and simplify the process of sample preparation

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

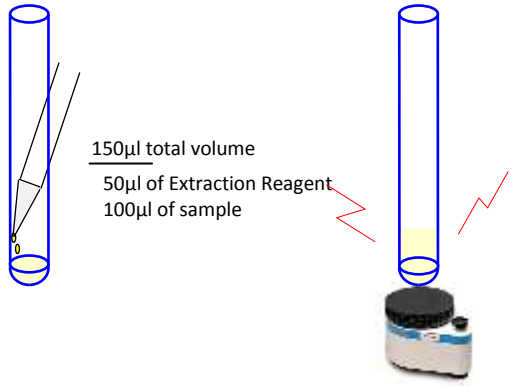
Step 1
ADD



- 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 **Extraction Reagent** 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

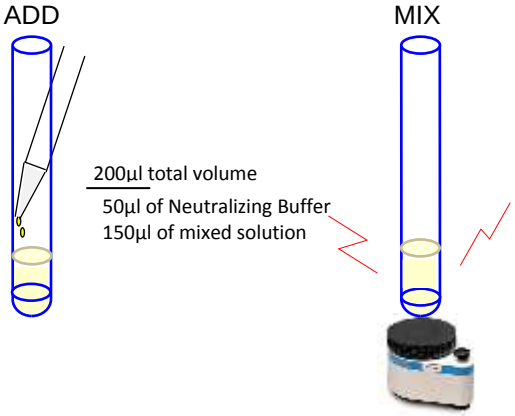
ADD MIX



Step 3
- Incubate 15 minutes

Step 4
- Add 50µl of **Neutralizing Buffer** 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 neutralizing reagent
- **Hint** mix before moving onto the next tube

ADD MIX



Step 5
- Use prepared samples accordingly to IFU procedure
- **Hint** for Folate, use after the 5 min wait time according to IFU procedure (no wait time is needed for Vit B12)