

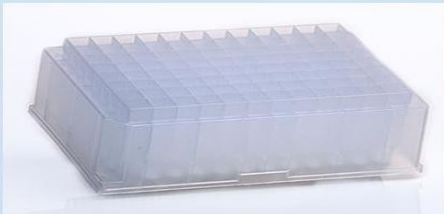
# Vitamin D Extraction from Plasma

## Traditional Sample Preparation

### Two Step sample Preparation

Protein crash plate: OC21PPT20

Sagacity HL Cartridge : SYSG2025-01



## Customized Sample Preparation

### Vitamin D Extraction Kit

Load 300  $\mu$ L of precipitation reagent and add 100  $\mu$ L of plasma

Wait for 5 mins

Add 50  $\mu$ L of water

Apply pressure

Wash with 0.8 mL wash solution and elute with 1 mL elution solvent

Extraction method	Recovery% (CV%)			
	Vitamin D <sub>2</sub>	Vitamin D <sub>3</sub>	25-OH Vitamin D <sub>2</sub>	25-OH Vitamin D <sub>3</sub>
LLE	70 (4.8)	67 (14)	81 (21)	83 (13)
Protein crash and Sagacity HL two steps	95 (6.1)	98 (4.2)		
Orochem Vitamin D Kit	85 (8.0)	66 (9.9)	86 (5.3)	93 (2.0)



## Vitamin D Kit features and benefits:

- 96 Wells format, 6 steps, 30 mins
- Consistent, High Recoveries
- Reduce phospholipids 'interference
- Requires minimum training
- Inexpensive