

# 5X DUB Assay Buffer II

Cat. # H1001

- Also Known as:** Deubiquitination Reaction Buffer II
- CAS:** N/A
- MW:** N/A
- Formula:** 200 mM TRIS, pH 7.1 at 37 °C, 500 mM NaCl, 20 mM TCEP and 0.05% Tween-20
- Source:** Synthetic
- Form:** 5 ml solution
- Description:** 5X DUB Assay Buffer II contains 200 mM TRIS, pH 7.1 at 37 °C, 500 mM NaCl, 20 mM TCEP and 0.05% Tween-20.  
Dilute to 1X when setting up deubiquitination reaction. The final 1X buffer contains 50 mM TRIS, pH 7.1 at 37 °C, 100 mM NaCl, 4 mM TCEP and 0.01% Tween-20. All of our tested DUBs (> 25) maintained full activity in the presence of 0.01% Tween-20.
- Storage:** Ship under ambient temperature. Store at -20 °C upon receiving. Aliquot to avoid multiple freeze and thaw cycles.
- Note:** This buffer can be used for assaying deubiquitinase's activity using fluorogenic substrates, free polyubiquitin chains or ubiquitinated proteins.  
We recommend use **5X DUB Assay Buffer II** if you screen DUB chemical inhibitors because 0.01% Tween-20 (in 1X DUB Assay Buffer II) can help solubilize chemicals and prevent non-specific binding of chemicals to tube or well wall.

