

Materials List for:

Hot Biological Catalysis: Isothermal Titration Calorimetry to Characterize Enzymatic Reactions

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Materials

Name	Company	Catalog Number	Comments
HEPES	Sigma	H3375	dissolving in water and adjusting pH with NaOH
TRIZMA-Base	Sigma	T1503	dissolving in water and adjusting pH with HCl
Sodium dihydrogen phosphate	Riedel-de-Haen	4270	dissolving in water
Sodium phosphate dibasic	Riedel-de-Haen	30427	dissolving in water
Urea	Sigma	U4128	dissolving in water at 40 °C
<i>Canavalia ensiformis</i> urease (type C-3)	Sigma	U0251	dissolving in 20 mM HEPES pH 7 and stored at -80 °C
VP-ITC on Origin 7.0	MicroCal (GE Healthcare)	SYS13901	instrument
VPViewer2000 1.30.00 on Origin 7.0	MicroCal (GE Healthcare)		data acquisition software supplied with the instrument