

## Composition of the Modified HHW Media

Component	Concentration (mM)
Ammonium iron(II) sulfate hexahydrate( $(\text{NH}_4^+)_2\text{SO}_4 \cdot \text{FeSO}_4 \cdot 6\text{H}_2\text{O}$ )	0.21
Calcium chloride anhydrous ( $\text{CaCl}_2$ )	0.45
Disodium hydrogen phosphate anhydrous ( $\text{Na}_2\text{HPO}_4$ )	56.1
Magnesium sulfate anhydrous ( $\text{MgSO}_4$ )	2.03
Manganese sulfate monohydrate ( $\text{MnSO}_4 \cdot \text{H}_2\text{O}$ )	0.29
Potassium dihydrogen phosphate ( $\text{KH}_2\text{PO}_4$ )	22.0
Glucose	11.1
L-Ala	1.12
L-Arg	0.57
L-Asn	1.13
L-Asp	1.13
L-Cys	0.41
Gly	1.33
L-Glt	1.02
L-His	0.64
L-Ile	1.14
L-Leu	1.14
L-Lys	0.68
L-Met	0.67
L-Phe	0.60
L-Pro	1.30
L-Ser	0.95
L-Thr	1.26
L-Trp	0.49
L-Tyr	0.55
L-Val	1.28
Biotin	0.04
Nicotinic acid (niacin)	0.16
Thiamine hydrochloride	0.59
Final pH adjusted to $7.2 \pm 0.2$ at 25 using 0.1M NaOH.	