

(Demo) Product Specification Cat. No. AG086

Description:	Conjugation of peptide to carrier protein via maleimide linkage
Conjugate Lot:	14-113
Carrier Protein:	Keyhole Limpet Hemocyanin (KLH)
Peptide Sequence:	CYKPITNG-Amidation
Peptide Lot:	14-087
Your Designation:	Test 7-mer plus n-terminal cysteine
Conjugate Concentration ⁽¹⁾ :	1.84 mg/ml
Conjugate Buffer:	Phosphate Buffered Saline pH 7.4
Conjugate Volume:	1.0 milliliter

Peptide Mass (amu):	895
Amount Used (mg):	2.5
Efficiency ⁽²⁾ :	60%
Peptide Immobilized (mole):	1.68×10^6
Carrier Protein Available (mole)	4.44×10^9
Molar Substitution Ratio:	377

¹ Protein concentration is determined in a modified dye binding assay using Bovine Serum Albumin (BSA) as a standard

² Efficiency is determined using a quantitative assay for reduced cysteine to determine the concentration of free peptide before and after the reaction with the carrier.