

MALDI Matrix Selection Guide

Protea offers 9 different **Ultrapur[®] MALDI Matrices** for your specific MALDI-MS needs. Our matrices are all recrystallized, producing homogenous crystals and providing MALDI mass spectra with excellent resolution, high sensitivity, and high S/N ratios. Each matrix comes conveniently pre-weighed and is ready for reconstitution. Protea's matrices are certified mass spec grade and ready to use.

Common Abbreviation	CHCA	Sinapic Acid	DHB	DHAP	DAN	(3-HPA)	THAP	HABA	MBT
Chemical Name	±-cyano-4-hydroxycinnamic acid	Sinapic acid	2,5-dihydroxybenzoic acid	2,6-dihydroxyacetophenone	1,5-diaminonaphthalene	3-hydroxypicolinic acid	2,4,6-trihydroxyacetophenone	2-(4'-hydroxybenzenazo) benzoic acid	2-mercaptobenzo-thiazole
Molecular Weight	189.17	224.21	154.12	152.15	158.2	139.11	152.15	242.23	167.25
CAS Number*	28166-41-8	530-59-6	490-79-9	89-84-9	2243-62-1	874-24-8	480-66-0	1634-82-8	149-30-4
Sample Compatibility/ Application									
Peptides	X								X
Small Proteins	X								X
High Molecular Weight Proteins		X							
Carbohydrates			X						
Glycoproteins			X				X	X	
Complex Protein Sample Profiling				X					
Gangliosides					X				
Oligonucleotides						X	X		
Glycolipids								X	
Phospholipids									
Synthetic Polymers								X	X
Peptides with Disulfide Linkages					X				
Chloroamine Detection									
MS with High Salt Content				X					
In-Source Decay Experiments			X		X				
Part Numbers	CMS-100-50mg CMS-100-100mg	CMS-101-50mg CMS-101-100mg	CMS-102-50mg CMS-102-100mg	CMS-103-50mg CMS-103-100mg	CMS-104-50mg CMS-104-100mg	CMS-105-100mg CMS-105-250mg	CMS-106-180mg CMS-106-450mg	CMS-107-50mg CMS-107-100mg	CMS-108-50mg CMS-108-100mg