

## MALDI Matrix Selection Guide

Common Abbreviation	CHCA	Sinapic Acid	DHB	DHAP	DAN	(3-HPA)	THAP	HABA	MBT	CICCA	FCCA
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'-hydroxybenzeneazo) benzoic acid	2-mercaptobenzo-thiazole	Chloro-cyanocinnamic acid	Fluoro-cyanocinnamic acid
Molecular Weight	189.17	224.21	154.12	152.15	158.2	139.11	152.15	242.23	167.25	207.6	191.2
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	20374-46-3	122520-74-5
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										X	X
Synthetic Polymers								X	X		
Peptides with Disulfide Linkages					X						
Chloroamine Detection										X	X
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	CMS-109-50mg CMS-109-100mg	CMS-110-50mg CMS-110-100mg

\*CAS Registry Number is a Registered Trademark of the American Chemical Society