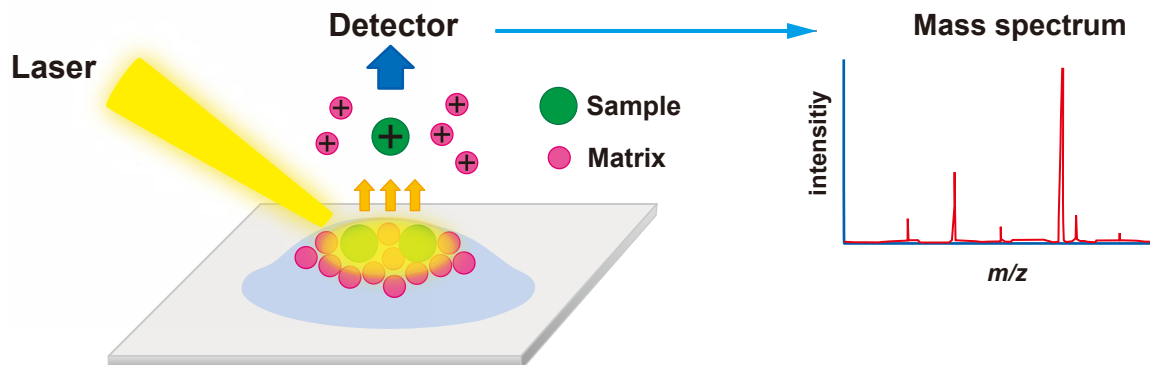


MALDI Matrix

TCI offers various matrices used for MALDI (Matrix Assisted Laser Desorption Ionization) in mass spectrometry. For analyte suitability regarding each matrix, please refer to the table section below.



Suitability table between MALDI matrices and analytes

Product No.	Synonym	Proteins	Peptides	Glycans	Lipids	Nucleic acids	Synthetic polymers	Other method
D2932	SA	✓						
C0002	CA	✓						
F1257	FA	✓						
N1103	NA	✓						
M0247	MBT		✓					
C1297	CMBT	✓	✓	✓				
C1768	α-CHCA	✓	✓	✓				PSD
D0561	2,4-DHAP	✓	✓	✓		✓		ISD
D1955	2,5-DHAP	✓	✓	✓		✓		
D1716	2,6-DHAP	✓	✓	✓		✓		
D2933	DHBA		✓	✓	✓			ISD
D5355	DHB/B		✓	✓	✓			
T1888	THAP		✓	✓	✓	✓		PSD
A0425	AMT			✓				
A0418	3-AQ			✓				
A0859	AHBA			✓		✓		
D5689	1,5-DAN		✓		✓			ISD
B1018	DMAN				✓			
P0421	PA					✓		
H0787	3-HPA					✓		
D1950	DABP					✓		
E1287	Esculetin					✓		
H1622	HABA		✓	✓			✓	
P1121	Norharman	✓	✓	✓	✓	✓	✓	
H1237	Harmaline	✓	✓	✓	✓	✓	✓	
I0025	IAA						✓	
T1166	DIT						✓	
T0168	TPB						✓	
B3635	DCTB						✓	
C0287	CSA						✓	
R0064	ATRA						✓	
A3299	9-ACA						✓	
N0987	9-NA						✓	
A0317	5-ASA		✓					ISD
A0358	5,1-ANL	✓	✓					ISD
H0635	3H4NBA		✓	✓				ISD, NBS
A3298	9-AA				✓			MALDI Imaging
Product No.	Synonym	Proteins	Peptides	Glycans	Lipids	Nucleic acids	Synthetic polymers	Other method

For Peptides, Proteins, Glycoproteins

SA	(= Sinapinic Acid)	5g	[D2932]
CA	(= Caffeic Acid)	5g / 25g	[C0002]
FA	(= <i>trans</i> -Ferulic Acid)	1g / 5g	[F1257]
NA	(= Nicotinic Acid)	1g / 5g	[N1103]
MBT	(= 2-Mercaptobenzothiazole)	25g / 500g	[M0247]
CMBT	(= 5-Chloro-2-mercaptobenzothiazole)	25g	[C1297]
α -CHCA	(= α -Cyano-4-hydroxycinnamic Acid)	1g	[C1768]
2,4-DHAP	(= 2',4'-Dihydroxyacetophenone)	25g / 100g / 500g	[D0561]
2,5-DHAP	(= 2',5'-Dihydroxyacetophenone)	5g / 25g	[D1955]
2,6-DHAP	(= 2',6'-Dihydroxyacetophenone)	5g / 25g	[D1716]

For Glycans, Glycopeptides

DHBA	(= 2,5-Dihydroxybenzoic Acid)	1g / 5g	[D2933]
DHB/B	(= 2,5-Dihydroxybenzoic Acid Butylamine Salt)	1g	[D5355]
AMT	(= 2-Amino-5-mercapto-1,3,4-thiadiazole)	25g / 500g	[A0425]
3-AQ	(= 3-Aminoquinoline)	5g / 25g	[A0418]
AHBA	(= 3-Amino-4-hydroxybenzoic Acid)	5g / 25g	[A0859]

For Lipids, Glycolipids

1,5-DAN	(= 1,5-Diaminonaphthalene)	1g / 5g	[D5689]
DMAN	(= 1,8-Bis(dimethylamino)naphthalene)	1g / 5g / 25g	[B1018]

For Nucleic acids

3-HPA	(= 3-Hydroxypicolinic Acid)	5g / 25g	[H0787]
DABP	(= 3,4-Diaminobenzophenone)	25g	[D1950]
Esculetin	(= 6,7-Dihydroxycoumarin)	200mg / 1g	[E1287]

For Peptides, Glycans, Lipids, Nucleic acids, Synthetic polymers

THAP	(= 2',4',6'-Trihydroxyacetophenone Monohydrate)	5g / 25g	[T1888]
HABA	(= 4'-Hydroxyazobenzene-2-carboxylic Acid)	1g	[H1622]
Norharman	(= 9H-Pyrido[3,4- <i>b</i>]indole)	100mg	[P1121]
Harmaline	(= 3,4-Dihydro-7-methoxy-1-methyl-9H-pyrido[3,4- <i>b</i>]indole)	1g / 5g	[H1237]

For Synthetic polymers

IAA	(= 3-Indoleacrylic Acid)	1g / 5g	[I0025]
DIT	(= Dithranol)	1g / 10g	[T1166]
9-ACA	(= 9-Anthracenecarboxylic Acid)	1g	[A3299]
9-NA	(= 9-Nitroanthracene)	1g / 5g	[N0987]
TPB	(= 1,1,4,4-Tetraphenyl-1,3-butadiene)	1g / 5g	[T0168]
DCTB	(= <i>trans</i> -2-[3-(4- <i>tert</i> -Butylphenyl)-2-methyl-2-propenylidene]malononitrile)	100mg / 1g	[B3635]
ATRA	(= Retinoic Acid)	1g / 5g	[R0064]
CSA	(= 5-Chlorosalicylic Acid)	25g / 500g	[C0287]

For Other method (ISD, NBS, MALDI Imaging)

5-ASA	(= 5-Aminosalicylic Acid)	25g / 500g	[A0317]
5,1-ANL	(= 5-Amino-1-naphthol)	1g	[A0358]
3H4NBA	(= 3-Hydroxy-4-nitrobenzoic Acid)	25g / 250g	[H0635]
PA	(= Picolinic Acid)	25g / 100g / 500g	[P0421]
9-AA	(= 9-Aminoacridine)	1g	[A3298]

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