

PRODUCT DATA SHEET

TMT10plex™ Label Reagent Set

Product Number: 90110

Lot Number: RG234621

Form: The TMT10plex™ Label Reagents are supplied dried, 0.8 mg/tube. Make a stock solution by reconstituting each tube with 41 µl acetonitrile.

Note: Please refer to Table 2 of the instruction booklet for cross-referenced TMTsixplex products, reporter ion masses or mass tolerance window in your data analysis software.

** Reporter ion isotopic distributions (-2, -1, +1, +2) are primarily for carbon isotopes with reporter ion interference for each mass tag shown in parentheses. Reporter ion isotopic distributions can be used as isotope correction factors in TMT10plex method template in Proteome Discoverer software version 2.1 and above. Reporter ion isotopic distributions are not used as isotope correction factors in Proteome Discoverer software version 2.0 and below.

****Reporter Ion Isotopic Distributions:**

Mass Tag	Reporter Ion	-2	-1	Monoisotopic	+1	+2
TMT ¹⁰ -126	126.127726	0.0%	0.0%	100%	5.0% (127C)	0.0% (128C)
TMT ¹⁰ -127N	127.124761	0.0%	0.2%	100%	5.8% (128N)	0.0%(129N)
TMT ¹⁰ -127C	127.131081	0.0%	0.3% (126)	100%	4.8% (128C)	0.0% (129C)
TMT ¹⁰ -128N	128.128116	0.0%	0.3%(127N)	100%	3.6% (129N)	0.0% (130N)
TMT ¹⁰ -128C	128.134436	0.0% (126)	0.6%(127C)	100%	3.9% (129C)	0.0% (130C)
TMT ¹⁰ -129N	129.131471	0.0%(127N)	0.8%(128N)	100%	3.0% (130N)	0.0% (131)
TMT ¹⁰ -129C	129.137790	0.0%(127C)	1.3%(128C)	100%	2.9% (130C)	0.0%
TMT ¹⁰ -130N	130.134825	0.0%(128N)	1.4%(129N)	100%	2.3% (131)	3.3%
TMT ¹⁰ -130C	130.141145	0.0%(128C)	1.7%129C)	100%	2.2%	0.0%
TMT ¹⁰ -131	131.138180	0.2%(129N)	2.0%(130N)	100%	2.2%	0.0%

Stability: One year from date of product receipt.

Storage: Store at -20°C.

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