

**PRODUCT DATA SHEET**
**Thermo Scientific™ TMTpro 16plex Isobaric Label Reagent Set, 6 x 0.5mg**
**Product Number:** A44522

**Lot Number:** YH372053

**Form:** TMTpro reagents are supplied dried, 0.5 mg/tube. Make a stock solution by reconstituting each tube with 20 µl dry acetonitrile.

**Note:** Reporter ion isotopic distributions (+1, +2) are primarily for natural carbon isotopes with reporter ion interference for each mass tag shown in parentheses. Incomplete stable isotope incorporation (-2, -1) are also reported for carbon and nitrogen isotopes. Reporter ion isotopic distributions can be used as isotope correction factors in TMTpro 16plex method template in Proteome Discoverer software version 2.4 and above.

**Reporter Ion Isotopic Distributions:**

Mass Tag	Reporter Ion Mass	-2		-1		M+	+1		+2	
		-2x 13C	-13C -15N	-13C	-15N	-	+15N	+13C	+15N +13C	+2x 13C
TMTpro-126	126.127726	N/A	N/A	N/A	N/A	100%	0.31%	9.09% (127C)	0.02%	0.32%
TMTpro-127N	127.124761	N/A	N/A	N/A	0.57% (126)	100%	N/A	9.79% (128N)	N/A	0.33%
TMTpro-127C	127.131081	N/A	N/A	0.84% (126)	N/A	100%	0.23%	8.40% (128C)	0.02%	0.27%
TMTpro-128N	128.128116	N/A	0.00%	0.82% (127N)	0.65%	100%	N/A	8.13% (129N)	N/A	0.26%
TMTpro-128C	128.134436	0.00%	N/A	1.44% (127C)	N/A	100%	0.34%	6.26% (129C)	0.00%	0.17%
TMTpro-129N	129.131471	0.00%	0.14%	1.30% (128N)	0.89%	100%	N/A	7.52% (130N)	N/A	0.12%
TMTpro-129C	129.13779	0.13%	N/A	2.59% (128C)	N/A	100%	0.32%	6.07% (130C)	0.01%	0.09%
TMTpro-130N	130.134825	0.13%	0.00%	2.41% (129N)	0.27%	100%	N/A	5.58% (131N)	N/A	0.10%
TMTpro-130C	130.141145	0.25%	N/A	3.22% (129C)	N/A	100%	0.28%	5.06% (131C)	0.00%	0.06%
TMTpro-131N	131.13818	0.03%	0.00%	2.78% (130N)	0.63%	100%	N/A	4.57% (132N)	N/A	0.12%
TMTpro-131C	131.1445	0.08%	N/A	3.94% (130C)	N/A	100%	0.45%	3.33% (132C)	0.00%	0.02%
TMTpro-132N	132.141535	0.07%	0.01%	3.14% (131N)	0.73%	100%	N/A	3.40% (133N)	N/A	0.03%
TMTpro-132C	132.147855	0.08%	N/A	3.65% (131C)	N/A	100%	0.50%	1.97% (133C)	0.00%	0.00%
TMTpro-133N	133.14489	0.15%	0.01%	3.58% (132N)	0.72%	100%	N/A	1.80% (134N)	N/A	0.00%
TMTpro-133C	133.15121	0.18%	N/A	4.14% (132C)	N/A	100%	0.40%	1.11% (134C)	0.00%	N/A
TMTpro-134N	134.148245	0.30%	0.03%	5.49% (133N)	0.62%	100%	N/A	1.14% (135N)	N/A	N/A

**Stability:** Reagent is highly moisture sensitive. See expiration date.

**Storage:** Store at -20°C

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