

Call for applications

4th annual Thermo Scientific
Tandem Mass Tag Research Award



Receive up
to \$10,000
worth of these
products free*

About the research awards

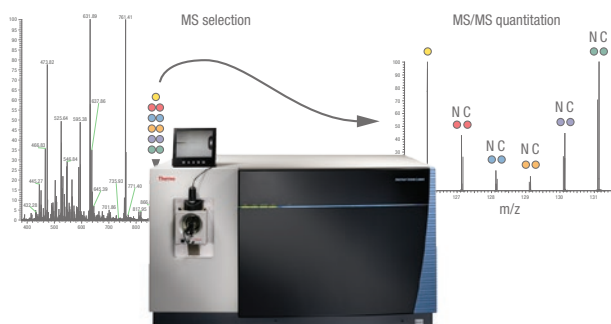
- Research awards include Thermo Scientific™ mass spectrometry (MS) reagents and Thermo Scientific™ Tandem Mass Tag™ (TMT™) labeling reagents
- Applicants must be enrolled in doctoral or postdoctoral programs through February 28, 2018
- Applications accepted September 7, 2017–February 28, 2018
- For more information and to download the application, go to thermofisher.com/tmtgrant

Grant award levels

- **Gold**—\$10,000 • **Silver**—\$7,500 • **Bronze**—\$5,000

Describe how you could use Thermo Scientific™ TMT reagents in conjunction with other MS reagents in your research for the chance to receive one of three awards of up to \$10,000 worth of these reagents.*

The top three recipients will be selected by a panel of judges from Thermo Fisher Scientific and Proteome Sciences, based on the innovation and potential impact of the applicant's proposed use of our tandem mass tag (including amine-, sulfhydryl-, or carbonyl-reactive) labeling reagents in conjunction with other MS reagents. Award recipients will be recognized during an event at the American Society for Mass Spectrometry (ASMS) annual conference in San Diego, California, June 3–7, 2018.



About the technology

A successful proteomics experiment requires the integration of proper sample preparation, instrumentation, and software. In addition to these tools, a proteomics scientist also needs to determine a strategy to achieve the intended goals. We offer a variety of solutions for protein mass spectrometry, sample preparation, and protein quantitation.

Isobaric chemical tags are powerful tools that enable multiplexed identification and quantitation of thousands of proteins from different samples using tandem mass spectrometry. The TMT labeling reagents contain up to 11 different isobaric compounds that enable up to 11 different protein samples prepared from cells or tissues to be labeled in parallel, and then combined for analysis. In addition to the amine-reactive tags, sulfhydryl- or carbonyl-reactive labeling reagents are available for specific applications. TMT labeling reagents consist of a mass normalizer reactive group that covalently labels the target of interest, and a mass reporter for relative quantitation. During the second MS/MS fragmentation, each isobaric tag produces a unique reporter ion signature for multiplexed quantitation. For each sample, a unique reporter mass (i.e., TMT11plex Tag, 126–131 Da) in the low-mass region of the high-resolution MS/MS spectrum is used to measure relative protein expression levels during peptide fragmentation and tandem mass spectrometry. Peptide quantitation is then accomplished by comparing the intensities of the 11 reporter ions in the MS/MS spectra.

The tags have been optimized for use with high-resolution MS/MS platforms, such as the Thermo Scientific™ Orbitrap Fusion™ Lumos™ series, Orbitrap Elite™, and Q Exactive™ series with data analysis fully supported by Thermo Scientific™ Proteome Discoverer™ 2.2 Software.

The following products are eligible for the Thermo Scientific Tandem Mass Tag Research Award.

Calibration solutions and standards		Quantity	Cat. No.
<input type="checkbox"/>	Pierce Peptide Retention Time Calibration Mixture, 0.5 pmol/μL	50 μL	88320
<input type="checkbox"/>	Pierce Peptide Retention Time Calibration Mixture, 5 pmol/μL	200 μL	88321
<input type="checkbox"/>	Pierce LTQ ESI Positive Ion Calibration Solution	10 mL	88322
<input type="checkbox"/>	Pierce LTQ Velos ESI Positive Ion Calibration Solution	10 mL	88323
<input type="checkbox"/>	Pierce ESI Negative Ion Calibration Solution	10 mL	88324
<input type="checkbox"/>	Pierce Triple Quadrupole Calibration Solution	10 mL	88325
<input type="checkbox"/>	Pierce Triple Quadrupole Calibration Solution, Extended Mass Range	10 mL	88340
<input type="checkbox"/>	Pierce Reserpine Standard for LC-MS	5 x 1 mL	88326
<input type="checkbox"/>	Pierce HeLa Protein Digest Standard	20 μg	88328
<input type="checkbox"/>	Pierce HeLa Protein Digest Standard	5 x 20 μg	88329
<input type="checkbox"/>	Pierce BSA Protein Digest Standard, LC-MS Grade	1 nmol	88341
<input type="checkbox"/>	Pierce 6 Protein Digest Standard, Equimolar, LC-MS Grade	100 pmol	88342
<input type="checkbox"/>	Pierce Digestion Indicator for Mass Spectrometry	10 μg	84841
<input type="checkbox"/>	NEW Pierce Intact Protein Standard Mix	1 x 76 μg	A33526
<input type="checkbox"/>	NEW Pierce Intact Protein Standard Mix	5 x 76 μg	A33527
Protein quantitation reagents—SILAC		Quantity	Cat. No.
<input type="checkbox"/>	NEW Pierce SILAC Protein Quantitation Kit (Lys-C)—RPMI 1640	Kit	A33971
<input type="checkbox"/>	NEW Pierce SILAC Protein Quantitation Kit (Lys-C)—DMEM	Kit	A33969
<input type="checkbox"/>	NEW Pierce SILAC Protein Quantitation Kit (Lys-C)—DMEM:F12	Kit	A33970
<input type="checkbox"/>	L-Arginine-HCl	50 mg	89989
<input type="checkbox"/>	L-Arginine-HCl	500 mg	88427
<input type="checkbox"/>	¹³ C ₆ L-Arginine-HCl	50 mg	88210
<input type="checkbox"/>	¹³ C ₆ L-Arginine-HCl	500 mg	88433
<input type="checkbox"/>	¹³ C ₆ ¹⁵ N ₄ L-Arginine-HCl	50 mg	89990
<input type="checkbox"/>	¹³ C ₆ ¹⁵ N ₄ L-Arginine-HCl	500 mg	88434
<input type="checkbox"/>	L-Lysine-2HCl	50 mg	89987
<input type="checkbox"/>	L-Lysine-2HCl	500 mg	88429
<input type="checkbox"/>	¹³ C ₆ L-Lysine-2HCl	50 mg	89988
<input type="checkbox"/>	¹³ C ₆ L-Lysine-2HCl	500 mg	88431
<input type="checkbox"/>	¹³ C ₆ ¹⁵ N ₂ L-Lysine-2HCl	50 mg	88209
<input type="checkbox"/>	¹³ C ₆ ¹⁵ N ₂ L-Lysine-2HCl	500 mg	88432
<input type="checkbox"/>	L-Lysine-2HCl (4,4,5,5-D ₄)	50 mg	88437
<input type="checkbox"/>	L-Lysine-2HCl (4,4,5,5-D ₄)	500 mg	88438
<input type="checkbox"/>	NeuCode Lysine-080 (3,3,4,4,4,5,5,6,6-D8 L-Lysine-2HCl)	25 mg	A36750
<input type="checkbox"/>	NEW NeuCode Lysine-080 (3,3,4,4,4,5,5,6,6-D8 L-Lysine-2HCl)	50 mg	A33613
<input type="checkbox"/>	NEW NeuCode Lysine-080 (3,3,4,4,4,5,5,6,6-D8 L-Lysine-2HCl)	500 mg	A33614
<input type="checkbox"/>	NEW NeuCode Lysine-440 (L-Lysine: 2HCL (3,4,5,6- ¹³ C ₄ , 5,5,6,6-D ₄ , 98%))	25 mg	A36752
<input type="checkbox"/>	NEW NeuCode Lysine-521 (L-Lysine:2HCL)	25 mg	A36753
<input type="checkbox"/>	NEW NeuCode Lysine-341 (¹³ C ₃ ² H ₄ ¹⁵ N ₁ L-Lysine-2HCl)	25 mg	A36851

Protein quantitation reagents—SILAC (continued)		Quantity	Cat. No.
<input type="checkbox"/>	NEW NeuCode Lysine-202 (¹³ C ₂ ¹⁵ N ₂ L-Lysine-2HCl)	25 mg	A36754
<input type="checkbox"/>	NEW NeuCode 4-plex Lysine Bundle (NeuCode Lysine-080, NeuCode Lysine-602, NeuCode Lysine-440, NeuCode Lysine-521)	1 x 25 mg/ amino acid	A36755
<input type="checkbox"/>	L-Leucine	500 mg	88428
<input type="checkbox"/>	¹³ C ₆ L-Leucine	50 mg	88435
<input type="checkbox"/>	¹³ C ₆ L-Leucine	500 mg	88436
<input type="checkbox"/>	L-Proline	115 mg	88211
<input type="checkbox"/>	L-Proline	500 mg	88430
<input type="checkbox"/>	NEW RPMI Media for SILAC	500 mL	88365
<input type="checkbox"/>	NEW RPMI Media for SILAC	6 x 500 mL	A33823
<input type="checkbox"/>	Powdered RPMI Media for SILAC Sufficient to prepare 10 L of medium	104 g	88426
<input type="checkbox"/>	NEW DMEM Media for SILAC	500 mL	88364
<input type="checkbox"/>	NEW DMEM Media for SILAC	6 x 500 mL	A33822
<input type="checkbox"/>	Powdered DMEM Media for SILAC	135 g	88425
<input type="checkbox"/>	NEW DMEM:F12 (1:1) Media for SILAC	500 mL	88370
<input type="checkbox"/>	NEW MEM for SILAC	500 mL	88368
<input type="checkbox"/>	NEW IMDM for SILAC	500 mL	88367

Protein quantitation reagents—amine-reactive tandem mass tag reagents		Quantity	Cat. No.
<input type="checkbox"/>	NEW TMT10plex Isobaric Label Reagent Set plus TMT11-131C Label Reagent	1 x 5 mg/tag	A34808
<input type="checkbox"/>	NEW TMT11-131C Label Reagent	1 x 5 mg	A34807
<input type="checkbox"/>	TMT10plex Isobaric Label Reagent Set	10 rxn kit	90110
<input type="checkbox"/>	TMT10plex Isobaric Label Reagent Set	30 rxn kit	90111
<input type="checkbox"/>	TMT10plex Isobaric Mass Tag Labeling Kit	30 rxn kit	90113
<input type="checkbox"/>	TMT10plex Isobaric Label Reagent Set	60 rxn set	90406
<input type="checkbox"/>	TMTsixplex Isobaric Label Reagent Set	6 rxn kit	90061
<input type="checkbox"/>	TMTsixplex Isobaric Label Reagent Set	12 rxn kit	90062
<input type="checkbox"/>	TMTsixplex Isobaric Mass Tagging Kit	35 rxn kit	90064
<input type="checkbox"/>	TMTsixplex Isobaric Label Reagent Set	30 rxn kit	90066
<input type="checkbox"/>	TMTsixplex Isobaric Label Reagent Set	72 rxn kit	90068
<input type="checkbox"/>	TMTduplex Isobaric Mass Tagging Kit	15 rxn kit	90063
<input type="checkbox"/>	TMTduplex Isobaric Label Reagent Set	10 rxn kit	90065
<input type="checkbox"/>	TMTduplex Isotopic Label Reagent Set	10 rxn kit	90060
<input type="checkbox"/>	TMTzero Label Reagent	5 x 0.8 mg	90067

Protein quantitation reagents—cysteine-reactive tandem mass tag reagents		Quantity	Cat. No.
<input type="checkbox"/>	iodoTMTzero Label Reagent	5 x 0.2 mg	90100
<input type="checkbox"/>	iodoTMTsixplex Label Reagent Set	6 rxn set	90101
<input type="checkbox"/>	iodoTMTsixplex Label Reagent Set	30 rxn set	90102
<input type="checkbox"/>	iodoTMTsixplex Isobaric Mass Tag Labeling Kit	30 rxn kit	90103

Protein quantitation reagents—carbonyl-reactive tandem mass tag reagents		Quantity	Cat. No.
<input type="checkbox"/>	aminoxyTMTzero Label Reagent	6 x 0.2 mg	90400
<input type="checkbox"/>	aminoxyTMTsixplex Label Reagent Set	6 rxn set	90401
<input type="checkbox"/>	aminoxyTMTsixplex Label Reagent Set	30 rxn set	90402

For more information about our mass spectrometry reagents, go to thermofisher.com/msreagents

TMT accessories and reagents	Quantity	Cat. No.
<input type="checkbox"/> Anti-TMT Antibody (25D5)	0.1 mL	90075
<input type="checkbox"/> Immobilized Anti-TMT Antibody Resin	6 mL	90076
<input type="checkbox"/> TMT Elution Buffer	20 mL	90104
<input type="checkbox"/> 1 M Triethylammonium Bicarbonate (TEAB)	50 mL	90114
<input type="checkbox"/> 50% Hydroxylamine	5 mL	90115
Protein quantitation reagents— heavy protein expression	Quantity	Cat. No.
<input type="checkbox"/> 1-Step Heavy Protein IVT Kit	8 rxn kit	88330
<input type="checkbox"/> 1-Step Heavy Protein IVT Kit	40 rxn kit	88331
Sample lysis and protein extraction	Quantity	Cat. No.
<input type="checkbox"/> Pierce Mass Spec Sample Prep Kit for Cultured Cells	20 rxn kit	84840
<input type="checkbox"/> Mem-PER Plus Membrane Protein Extraction Kit	1 kit	89842
<input type="checkbox"/> Subcellular Protein Fractionation Kit for Cultured Cells	1 kit	78840
Protein enrichment—immunoprecipitation	Quantity	Cat. No.
<input type="checkbox"/> Pierce MS-Compatible Magnetic IP Kit (Streptavidin)	40 rxn kit	90408
<input type="checkbox"/> Pierce MS-Compatible Magnetic IP Kit (Protein A/G)	40 rxn kit	90409
<input type="checkbox"/> Pierce Antibody Biotinylation Kit for IP	8 rxn kit	90407
<input type="checkbox"/> Low Protein Binding Microcentrifuge Tubes, 1.5 mL	250 tubes	90410
<input type="checkbox"/> Low Protein Binding Microcentrifuge Tubes, 1.5 mL	10 x 250 tubes	90411
Active site peptide labeling and enrichment	Quantity	Cat. No.
<input type="checkbox"/> Pierce Kinase Enrichment Kit with ATP Probe	16 rxn kit	88310
<input type="checkbox"/> ActivX Desthiobiotin-ATP Probe	16 x 12.6 µg	88311
<input type="checkbox"/> Pierce Kinase Enrichment Kit with ADP Probe	16 rxn kit	88312
<input type="checkbox"/> ActivX Desthiobiotin-ADP Probe	16 x 9.9 µg	88313
<input type="checkbox"/> Pierce GTPase Enrichment Kit with GTP Probe	16 rxn kit	88314
<input type="checkbox"/> ActivX Desthiobiotin-GTP Probe	16 x 12.9 µg	88315
<input type="checkbox"/> ActivX Azido-FP Serine Hydrolase Probe	3.5 µg	88316
<input type="checkbox"/> ActivX Desthiobiotin-FP Serine Hydrolase Probe	4.6 µg	88317
<input type="checkbox"/> ActivX TAMRA-FP Serine Hydrolase Probe	6.8 µg	88318
MS-cleavable crosslinkers	Quantity	Cat. No.
<input type="checkbox"/> NEW DSSO (disuccinimidyl sulfoxide)	10 x 1 mg	A33545
<input type="checkbox"/> NEW DSBU (BuUrBu, disuccinimidyl dibutyric urea)	10 x 1 mg	A35459
Abundant protein removal	Quantity	Cat. No.
<input type="checkbox"/> Pierce Albumin Depletion Kit	24 rxn kit	85160
<input type="checkbox"/> NEW High-Select HSA/Immunoglobulin Depletion Mini Spin Columns	6 columns	A36365
<input type="checkbox"/> NEW High-Select HSA/Immunoglobulin Depletion Mini Spin Columns	24 columns	A36366
<input type="checkbox"/> NEW High-Select HSA/Immunoglobulin Depletion Midi Spin Columns	10 columns	A36367
<input type="checkbox"/> NEW High-Select HSA/Immunoglobulin Depletion Resin	50 mL	A36368
<input type="checkbox"/> NEW High-Select Top14 Abundant Protein Depletion Mini Spin Columns	6 columns	A36369
<input type="checkbox"/> NEW High-Select Top14 Abundant Protein Depletion Mini Spin Columns	12 columns	A36370
<input type="checkbox"/> NEW High-Select Top14 Abundant Protein Depletion Midi Spin Columns	10 columns	A36371
<input type="checkbox"/> NEW High-Select Top14 Abundant Protein Depletion Resin	50 mL	A36372

Protein desalting	Quantity	Cat. No.
<input type="checkbox"/> Zeba Micro Spin Desalting Columns, 7K MWCO, 75 µL	25 columns	89877
<input type="checkbox"/> Zeba Spin Desalting Columns, 7K MWCO, 0.5 mL	25 columns	89882
<input type="checkbox"/> Zeba Spin Desalting Columns, 7K MWCO, 2 mL	25 columns	89890
<input type="checkbox"/> Zeba Spin Desalting Columns, 7K MWCO, 5 mL	25 columns	89892
<input type="checkbox"/> Zeba Spin Desalting Columns, 7K MWCO, 10 mL	25 columns	89894
<input type="checkbox"/> Zeba 96-well Spin Desalting Plates, 7K MWCO	2 plates	89807
<input type="checkbox"/> Zeba Micro Spin Desalting Columns, 40K MWCO, 75 µL	25 columns	87764
<input type="checkbox"/> Zeba Spin Desalting Columns, 40K MWCO, 0.5 mL	25 columns	87766
<input type="checkbox"/> Zeba Spin Desalting Columns, 40K MWCO, 5 mL	25 columns	87771
<input type="checkbox"/> Zeba Spin Desalting Columns, 40K MWCO, 10 mL	25 columns	87773
<input type="checkbox"/> Zeba 96-well Spin Desalting Plates, 40K MWCO	2 plates	87774
Protein concentration	Quantity	Cat. No.
<input type="checkbox"/> Pierce Protein Concentrators PES, 3K MWCO, 0.5 mL	25 units	88512
<input type="checkbox"/> Pierce Protein Concentrators PES, 10K MWCO, 0.5 mL	25 units	88513
<input type="checkbox"/> Pierce Protein Concentrators PES, 30K MWCO, 0.5 mL	25 units	88502
<input type="checkbox"/> Pierce Protein Concentrators PES, 100K MWCO, 0.5 mL	25 units	88503
Protein digestion—mass spec—grade proteases, reagents, and kits	Quantity	Cat. No.
<input type="checkbox"/> Trypsin Protease, MS Grade	5 x 20 µg	90057
<input type="checkbox"/> Trypsin Protease, MS Grade	5 x 100 µg	90058
<input type="checkbox"/> Trypsin Protease, MS Grade	1 mg	90059
<input type="checkbox"/> Trypsin Protease, MS Grade, Frozen Liquid	100 µg	90305
<input type="checkbox"/> LysN Protease, MS Grade	20 µg	90300
<input type="checkbox"/> LysN Protease, MS Grade	5 x 20 µg	90301
<input type="checkbox"/> LysC Protease, MS Grade	20 µg	90051
<input type="checkbox"/> AspN Protease, MS Grade	2 µg	90053
<input type="checkbox"/> GluC Protease, MS Grade	5 x 10 µg	90054
<input type="checkbox"/> Chymotrypsin (TLCK treated), MS Grade	4 x 25 µg	90056
<input type="checkbox"/> In-Gel Tryptic Digestion Kit	Kit	89871
<input type="checkbox"/> In-Solution Tryptic Digestion and Guanidination Kit	Kit	89895
<input type="checkbox"/> Mass Spec Sample Prep Kit for Cultured Cells	20 rxn kit	84840
Peptide quantitation assays	Quantity	Cat. No.
<input type="checkbox"/> Pierce Quantitative Colorimetric Peptide Assay	500-assay kit	23275
<input type="checkbox"/> Pierce Quantitative Fluorometric Peptide Assay	500-assay kit	23290
<input type="checkbox"/> Peptide Digest Assay Standard (1 mg/mL)	1.5 mL	23295
<input type="checkbox"/> 96-well Black Plates	25 pack	88378
Phosphopeptide enrichment	Quantity	Cat. No.
<input type="checkbox"/> High-Select Fe-NTA Phosphopeptide Enrichment Kit	30 rxn kit	A32992
<input type="checkbox"/> High-Select TiO ₂ Phosphopeptide Enrichment Kit	24 rxn kit	A32993
<input type="checkbox"/> Pierce Magnetic TiO ₂ Phosphopeptide Enrichment Kit	96 rxn kit	88811
<input type="checkbox"/> Pierce Magnetic TiO ₂ Phosphopeptide Enrichment Kit	24 rxn kit	88812
<input type="checkbox"/> Pierce Graphite Spin Columns, 0.5 mL	30 columns	88302

For more information about our mass spectrometry reagents, go to thermofisher.com/msreagents

Peptide fractionation	Quantity	Cat. No.
<input type="checkbox"/> Pierce High pH Reversed-Phase Peptide Fractionation Kit	12-column kit	84868
<input type="checkbox"/> Low Protein Binding Microfuge Tubes, 2 mL	250 tubes	88379
<input type="checkbox"/> Low Protein Binding Microfuge Tubes, 2 mL	10 x 250 tubes	88380

Peptide clean-up	Quantity	Cat. No.
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<input type="checkbox"/> Pierce Detergent Removal Spin Column, 125 µL	25 columns	87776
<input type="checkbox"/> Pierce Detergent Removal Spin Column, 0.5 mL	25 columns	87777
<input type="checkbox"/> Pierce Detergent Removal Spin Column, 2 mL	5 columns	87778
<input type="checkbox"/> Pierce Detergent Removal Spin Column, 4 mL	5 columns	87779
<input type="checkbox"/> Pierce Detergent Removal Resin	10 mL	87780
<input type="checkbox"/> Pierce Detergent Removal Spin Plates	2 plates	88304
<input type="checkbox"/> HiPPR Detergent Removal Spin Column Kit (resin + columns)	5 mL kit	88305
<input type="checkbox"/> HiPPR Detergent Removal Spin Columns, 0.1 mL	24 columns	88306
<input type="checkbox"/> HiPPR Detergent Removal 96-well Spin Plates	2 plates	88307
<input type="checkbox"/> NEW Pierce Peptide Desalting Spin Columns	25 spin columns	89852
<input type="checkbox"/> NEW Pierce Peptide Desalting Spin Columns	50 spin columns	89853
<input type="checkbox"/> Pierce C18 Spin Columns	25 columns	89870
<input type="checkbox"/> Pierce C18 Spin Columns	50 columns	89873
<input type="checkbox"/> Pierce C18 Tips, 10 µL bed	96 tips	87782
<input type="checkbox"/> Pierce C18 Tips, 100 µL bed	96 tips	87784
<input type="checkbox"/> Pierce C18 Spin Tips	96 tips	84850

Ancillary reagents	Quantity	Cat. No.
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<input type="checkbox"/> Trifluoroacetic Acid (TFA), Sequanal Grade	500 mL	28901
<input type="checkbox"/> Trifluoroacetic Acid, Sequanal Grade	10 x 1 g	28902
<input type="checkbox"/> Trifluoroacetic Acid, Sequanal Grade	100 g	28903
<input type="checkbox"/> Trifluoroacetic Acid, Sequanal Grade	10 x 1 mL	28904
<input type="checkbox"/> Trifluoroacetic Acid, LC-MS Grade	50 mL	85183

Ancillary reagents (continued)	Quantity	Cat. No.
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<input type="checkbox"/> Formic Acid, LC-MS Grade	50 mL	85178
<input type="checkbox"/> Heptafluorobutyric Acid (HFBA), Sequanal Grade	100 mL	25003
<input type="checkbox"/> Heptafluorobutyric Acid, HPLC Grade	10 x 1 mL	53104
<input type="checkbox"/> Acetonitrile (ACN), LC-MS Grade	1 L	51101
<input type="checkbox"/> Acetonitrile, LC-MS Grade	4 x 1 L	85188
<input type="checkbox"/> Water, LC-MS Grade	1 L	51140
<input type="checkbox"/> Water, LC-MS Grade	4 x 1 L	85189
<input type="checkbox"/> 0.1% Formic Acid (v/v) in Water, LC-MS Grade	1 L	85170
<input type="checkbox"/> 0.1% Formic Acid (v/v) in Water, LC-MS Grade	4 x 1 L	85171
<input type="checkbox"/> 0.1% Trifluoroacetic Acid (v/v) in Water, LC-MS Grade	1 L	85172
<input type="checkbox"/> 0.1% Trifluoroacetic Acid (v/v) in Water, LC-MS Grade	4 x 1 L	85173
<input type="checkbox"/> 0.1% Formic Acid (v/v) in Acetonitrile, LC-MS Grade	1 L	85174
<input type="checkbox"/> 0.1% Formic Acid (v/v) in Acetonitrile, LC-MS Grade	4 x 1 L	85175
<input type="checkbox"/> 0.1% Trifluoroacetic Acid (v/v) in Acetonitrile, LC-MS Grade	1 L	85176
<input type="checkbox"/> 0.1% Trifluoroacetic Acid (v/v) in Acetonitrile, LC-MS Grade	4 x 1 L	85177
<input type="checkbox"/> Bond-Breaker TCEP Solution, Neutral pH	5 mL	77720
<input type="checkbox"/> No-Weigh Dithiothreitol (DTT)	48 tubes	20291
<input type="checkbox"/> Iodoacetamide (IAM), Single-Use	24 x 9.3 mg	90034
<input type="checkbox"/> Iodoacetic Acid (IAA)	500 mg	35603
<input type="checkbox"/> Methyl Methanethiosulfonate (MMTS)	200 mg	23011
<input type="checkbox"/> N-Ethylmaleimide (NEM)	25 g	23030
<input type="checkbox"/> CHCA MALDI Matrix, Single-Use	24 x 1 mg	90031
<input type="checkbox"/> SA MALDI Matrix, Single-Use	24 x 1 mg	90032
<input type="checkbox"/> DHB MALDI Matrix, Single-Use	24 x 4 mg	90033
<input type="checkbox"/> MALDI Matrix Sample Pack, Single-Use	24 tubes	90035

To find out more, go to thermofisher.com/tmtgrant

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* No purchase necessary to enter or receive a grant. To enter the Thermo Scientific Tandem Mass Tag Research Grant Program (the "Program"), you must submit your Grant Application (the "Application") at thermofisher.com/tmtgrant between 12:01 a.m. PT on September 17, 2017, and 11:59 p.m. PT on February 28, 2018. The Program is open only to academic, not-for-profit research institutions or commercial entities in an eligible jurisdiction whose representative has submitted a completed Application. **The person submitting the Application (the "Applicant") is entering on behalf of their employer, which will be the recipient of the grant (the "Grant Recipient").** The Program is open only to doctoral or postdoctoral Applicants who are new or novice users of Thermo Scientific Tandem Mass Tag reagents or Thermo Scientific TMT reagents. Determination of eligibility is at Sponsor's sole discretion. Void in Quebec, Australia, India, and where this promotion or acceptance of a grant is prohibited or restricted by law or subject to registration or other procedures with which Sponsor may not have undertaken. **Individual Health Care Professionals (HCPs) may not participate in this promotion. The term Health Care Professionals or HCPs includes individuals (clinical or non-clinical physicians, physician assistants, nurses, technicians, research coordinators, administrators, and purchasing personnel) and entities (including hospitals, rehabilitation centers, nursing facilities, home health agencies, clinics and group purchasing organizations, managed care organizations, physician group practices, medical directors for health insurance organizations, diagnostic institutions) and their employees and representatives who are involved in the actual provision of health care services.** All grant proposals must be submitted in the English language. Other eligibility restrictions apply. Three Grant Recipients will be selected to receive a product credit for Thermo Scientific tandem mass tag labeling reagents and MS reagents in the amount of \$10,000 USD for the first place winner, \$7,500 USD for the second place winner, and \$5,000 USD for the third place winner (or equivalent in the local currency of the Grant Recipient) (the "Award"). Winners will be selected by a panel of five judges comprised of R&D professionals employed by the Sponsor or Proteome Sciences. Applications will be judged on the following criteria, each worth 33% of the total score:

- Scientific merit: use of novel applications in quantitative proteomics to achieve their goals by using TMT tags and MS reagents
- Significance of use of Thermo Scientific TMT tags and commercial MS reagents: how using TMT labeling reagents will further their research
- Approach: how clear and well-developed is the proposed use of the TMT tags and MS reagents to address the questions at hand

All qualifying applications will be anonymized prior to presentation to the judges. The Applicants for the winning Grant Recipients will be notified of their selection on approximately March 31, 2018. The Applicant will be required to execute and return an Affidavit of Eligibility/Release of Liability/Assignment of Rights/Publicity Release (where legal) and the Grant Recipient will be required to execute and return an Acceptance of Grant document. The complete Official Rules, including grant proposal requirements, are available at thermofisher.com/tmtgrant. In case of any inconsistency between these short rules and the complete Official Rules, the complete Official Rules will always prevail.