

SpikeTides™

Low cost peptides for large scale proteomic studies
Light – heavy – quantified

Applications for SpikeTides™

- Identification & optimization of proteotypic peptides
- Development of SRM/MRM assays
- Absolute and relative quantification of protein expression levels
- Biomarker discovery and validation
- Clinical monitoring of therapeutic invention and disease status

Benefits of SpikeTides™

- Economic heavy peptide sets become available for the first time
- Compatible with current proteomic workflows
- Small scale and low costs of peptides enable whole proteome examinations

Postranslational Modifications

- Alkylation of cysteines (corresponding to iodoacetamide method)
- Phosphorylation, glycosylation, methylation and others

QC/QA

ISO 9001:2008 Certification & GCLP Compliance

References

Picotti *et al.*: "Full Dynamic Range Proteome Analysis of *S. cerevisiae* by Targeted Proteomics." *Cell* (2009)
 Picotti *et al.*: "High-throughput generation of selected reaction-monitoring assays for proteins and proteomes." *Nat Methods* (2010)
 Hewel *et al.*: "Synthetic peptide arrays for pathway-level protein monitoring by LC-MS/MS." *Mol Cell Proteomics* (2010)

Specification		Price per peptide
Light	SpikeTides™ Small scale, unpurified proteotypic peptides (>10 nmol).	From 9.00 US \$
Heavy	SpikeTides™_L SpikeTides™ with heavily labeled C-terminal lysine or arginine (>10 nmol).	From 19.00 US \$
Light & Quantified	SpikeTides™_TQ SpikeTides™ absolutely quantified using our patented Quanti-tag. Proteotypic peptides are released from tag by tryptic digestion. Aliquots of 5 x 1 nmol target peptide are delivered.	From 59.00 US \$
Heavy & Quantified	SpikeTides™_TQL SpikeTides™ with heavily labeled C-terminal lysine or arginine (Arg M +10 or Lys M + 8) and absolutely quantified using our patented Quanti-tag. Proteotypic peptides are released from tag by tryptic digestion. Aliquots of 5 x 1 nmol target peptide are delivered.	From 89.00 US \$