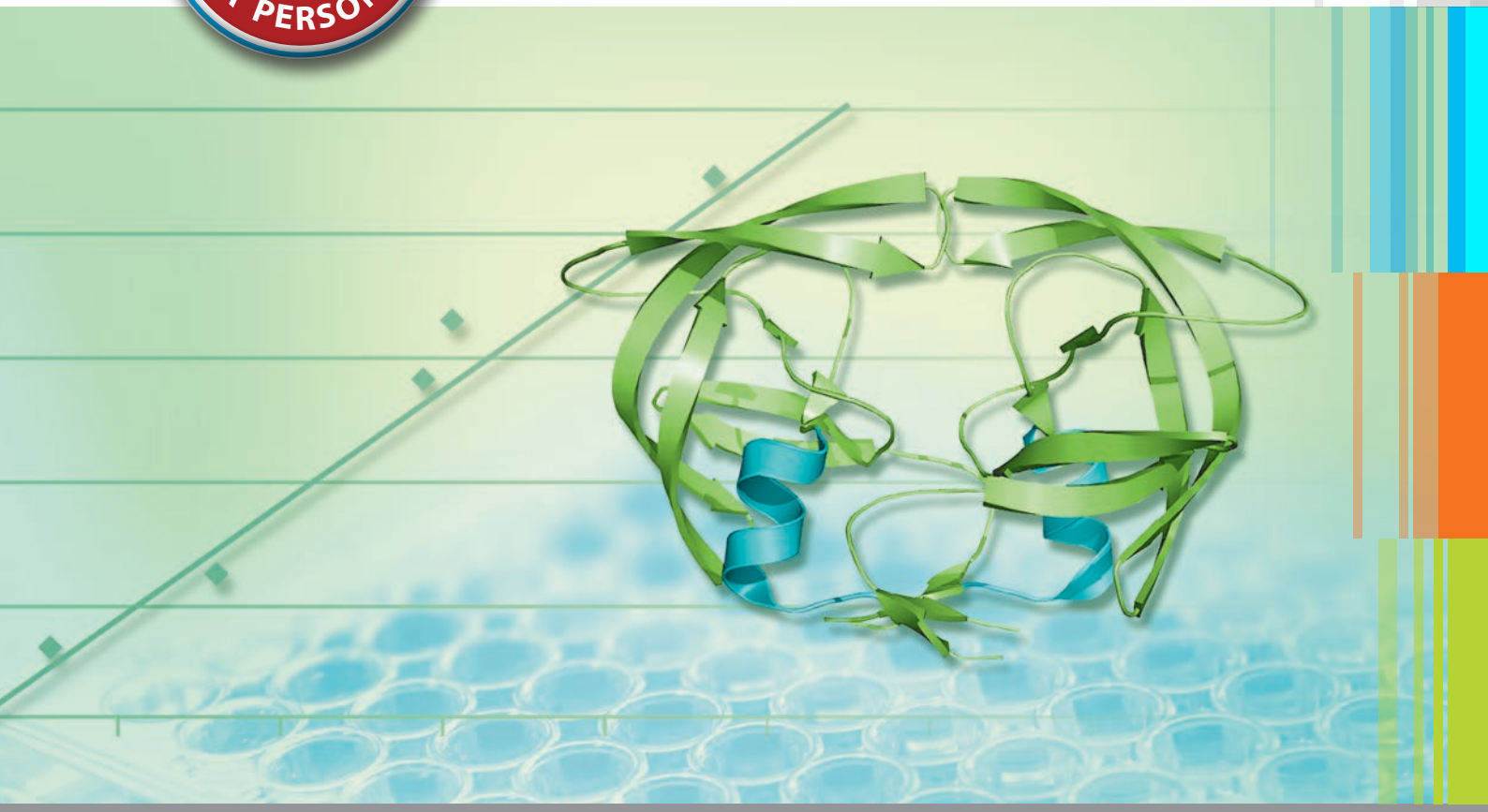
SCHEDULE A PERSONAL LIVE DEMO

# Standardization of MS-Based Assays



## Assay Standards & Controls

- Normalize HPLC-MS retention time
- Compare collision energy settings
- Monitor efficacy of carbamidomethylation
- Check efficacy of trypsination
- Standardize MRM assays across species
- Measure organelle marker peptides
- Compare T-cell epitopes

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# Proteomics
# Assay Standards & Controls

| Product | Price |
|---|---|
| **Retention Time Standardization Kit**<br>Normalization of retention times in HPLC-MS proteomics experiments, evaluation of HPLC column performance, optimization of HPLC gradients and collision energy calibration | **$ 99.00**<br>**€ 85,00** |
| **CAMCheck Kit**<br>In situ determination of disulfide reduction and cysteine alkylation conditions and reproducibility, including potential over-alkylation | **$ 84.00**<br>**€ 76,00** |
| **TrypCheck Kit Fluorescence**<br>Easy to use fluorescent peptide kit to estimate efficiency and reproducibility of tryptic sample preparation | **$ 171.50**<br>**€ 136,50** |
| **SpikeMix™ ABRF (cross-species standard)**<br>1000 stable isotope-labeled proteotypic peptides from human, mouse and rat proteins | **$ 114.80**<br>**€ 84,00** |
| **SpikeMix™ Plant Organelle Marker (Arabidopsis thaliana) – heavy**<br>67 stable isotope-labeled organelle marker peptides for 14 major subcellular locations: Cytosol, cytosolic ribosomes, ER, golgi, mitochondria, nucleus and more | **$ 175.00**<br>**€ 136,50** |
| **SpikeMix™ CEF (ext) – heavy**<br>32 stable isotope-labeled peptides for defined HLA class I-restricted T-cell epitopes from CMV, EBV and Influenza | **$ 175.00**<br>**€ 136,50** |

### Selected References & Application Notes


- *"Building ProteomeTools Based on a Complete Synthetic Human Proteome"*
  Zolg et al., Nature Methods (2017)
- *"Fast and Accurate Determination of Cysteine Reduction and Alkylation Efficacy in Proteomics Workflows"*
  Schnatbaum et al. Application Note (2016)
- *"Development & Characterization of SpikeMix™ ABRF (Cross-Species Standard) Consisting of 1,000 Stable Isotope Labeled Peptides"*
  Colangelo, Application Note (2014)



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