



**SGS**

**M-Scan**

# SGS M-SCAN

Mass Spectrometry Consultants and Analysts

Mibio 2012

WHEN YOU NEED TO BE SURE



**SGS**

<b>ICH Q6B requires</b>	<b>SGS M-Scan provides</b>	<b>ICH Q6B requires</b>	<b>SGS M-Scan provides</b>
<b>Amino Acid Sequencing</b>	✓	<b>Amino Acid Analysis</b>	✓
<b>N-terminal Sequencing</b>	✓	<b>C-terminal Sequencing</b>	✓
<b>Peptide Mapping by MS</b>	✓	<b>S-S Bridge Analysis</b>	✓
<b>Glycosylation Analysis</b>	✓	<b>Molecular Weight</b>	✓
<b>Isoelectric Focusing</b>	✓	<b>SDS-PAGE</b>	✓
<b>Extinction Coefficient</b>	✓	<b>Post-Translational Modifications</b>	✓
<b>Spectroscopic Profiles: CD, NMR, FTIR</b>	✓	<b>Liquid Chromatography: SEC, RP, IEX</b>	✓
<b>Aggregation: SEC-MALS, SV-AUC, DLS,</b>	✓	<b>Thermal/ Conformational stability: DSC</b>	✓

<b>Pre(formulation)</b>	<b>SGS M-Scan provides</b>	<b>Stability</b>	<b>SGS M-Scan provides</b>
<b>Forced Degradation</b>	✓	<b>ICH Conditions</b>	✓
<b>Thermal Stability : DSC</b>	✓	<b>Peptide Map</b>	✓
<b>Spectroscopic Profiles: CD, NMR, FTIR</b>	✓	<b>Oxidation/Deamidation</b>	✓
<b>Aggregation: SEC-MALS, SV-AUC, DLS,</b>	✓	<b>S-S Bridge Analysis</b>	✓
<b>Glycosylation Analysis</b>	✓	<b>Glycation</b>	✓
<b>Isoelectric Focusing</b>	✓	<b>SDS-PAGE</b>	✓
<b>Extinction Coefficient</b>	✓	<b>Changes in Post- Translational Modifications</b>	✓
<b>Peptide Mapping</b>	✓	<b>Liquid Chromatography: SEC, RP, IEX</b>	✓