

(F) 重組抗體藥物的品質管控



Separation of the heavy chain and light chain by SDS-PAGE



Proteolytic in-gel digestions (trypsin / Arg-C / Asp-N / Glu-C)



C18 Zip-tip Desalting



Highly accurate mass spectrometers
On-line LC-MS/MS DDA + Target Inclusion List



nanoUPLC-nanoESI-LTQ-Orbitrap

IgG Reductase or Impurities Proteins ID



Human database

IMGT database used to alignment the sequence



De novo sequencing of CDRs



Customized IgG Database for Target Protein Sequencing +/- PTM Sites Mapping

VH and VL (human) IgG Database

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXCXXXXXKXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
CXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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Protein Drug Sequencing