

BIOPHARMA ANALYTICAL SERVICES

Biopharma Analytical Services

Integrated characterization for antibodies, ADCs,
recombinant and fusion proteins, and peptides.

Shanghai Aipudikang Biotechnology Co., Ltd.



PRODUCT PORTFOLIO

Three product lines for biopharma characterization.

01 Antibody & ADC Analytics

Identity, purity, charge, glycans and PTMs, with optional binding, ADC-structure and process-impurity modules.

02 Recombinant & Fusion Protein Analytics

Construct confirmation, oligomeric state, higher-order structure, heterogeneity and function tailored to the expression system.

03 Peptide Analytics

Mass and sequence confirmation, purity and related substances, with optional chirality, disulfide and solid-state modules.

Antibody & ADC Analytics

BEST FOR

mAbs, bispecifics and ADC programs

CORE PACKAGE

Identity and primary structure
Purity, size and aggregation
Charge, glycans and PTMs

Intact/subunit mass, peptide mapping, SEC/CE-SDS, iCIEF/IEX and glycan analysis.

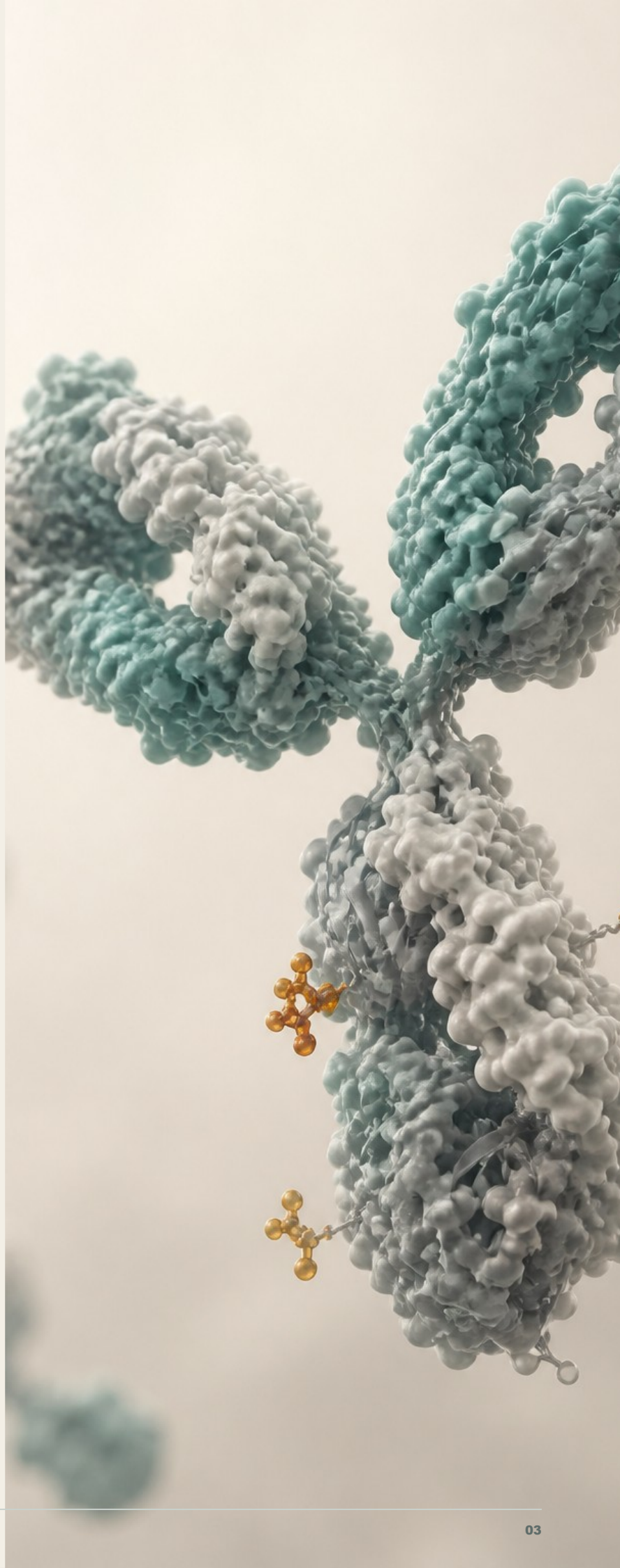
OPTIONAL MODULES

Binding and potency
ADC conjugation questions
Process-related impurities

SPR/BLI, ELISA or cell-based assays; conjugation-site mapping; agreed residuals.

TYPICAL OUTPUT

Attribute summary, aligned figures and data tables, and one cross-method interpretation.



Recombinant & Fusion Proteins

BEST FOR

Fc fusions, cytokines, enzymes and multimeric constructs

CORE PACKAGE

Construct and primary structure
Purity, size and oligomeric state
Charge, glycans and PTMs

Sequence, termini, disulfides/free thiol, SEC/CE-SDS and heterogeneity profiling.

OPTIONAL MODULES

Higher-order structure
Binding or cell-based activity
Process-related impurities

SEC-MALS/AUC, DLS/MFI, CD, fluorescence, DSC/DSF, FTIR and agreed functional assays.

TYPICAL OUTPUT

Construct-aware identity, aggregation and heterogeneity assessment with supporting figures.



Peptide Analytics

BEST FOR

Synthetic, recombinant, modified or disulfide-rich peptides

CORE PACKAGE

Mass and sequence confirmation
Purity and related substances
Amino-acid composition

HRMS, LC-MS/MS or MALDI-TOF with RP-HPLC and complementary separations.

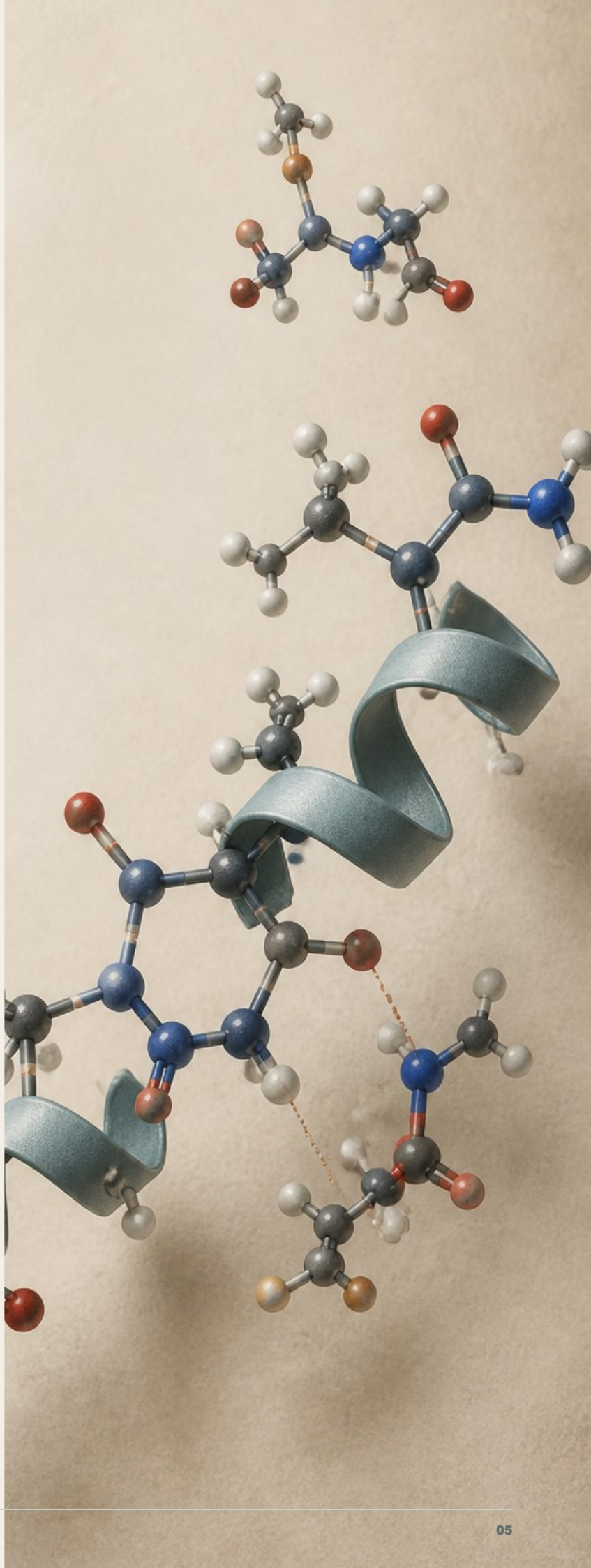
OPTIONAL MODULES

Chirality and special residues
Disulfide pairing and free thiol
Structure and solid state

Chiral amino-acid analysis, NMR, FTIR, thermal tools and XRPD selected as needed.

TYPICAL OUTPUT

Mass/sequence evidence, impurity profile and structural data selected for the program question.





PROJECT PACKAGE

What you send. What we agree. What you receive.

YOU SEND

Sequence or construct
Sample form and amount
Program stage and decision

WE AGREE

Core package and options
Sample plan and controls
Reporting format

YOU RECEIVE

Scoped project plan
Traceable figures and tables
Integrated result summary

Feasibility, method suitability and final deliverables are confirmed before project start.



QUALITY AND CREDENTIALS

Quality systems and credentials.

CNAS

Accreditation No. L18600
ISO/IEC 17025:2017 and CNAS-CL01
Valid 05 Jul 2023 - 04 Jul 2029

ISO 9001

Certificate J25Q2SH8026349R1S
ISO 9001:2015 / GB/T 19001-2016
Valid through 06 Nov 2028

REQUEST A PROJECT SCOPE

Request a scoped analytical package.

Send the modality, program stage, sample form and decision point. We will return a recommended package, sample requirements and quotation.

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