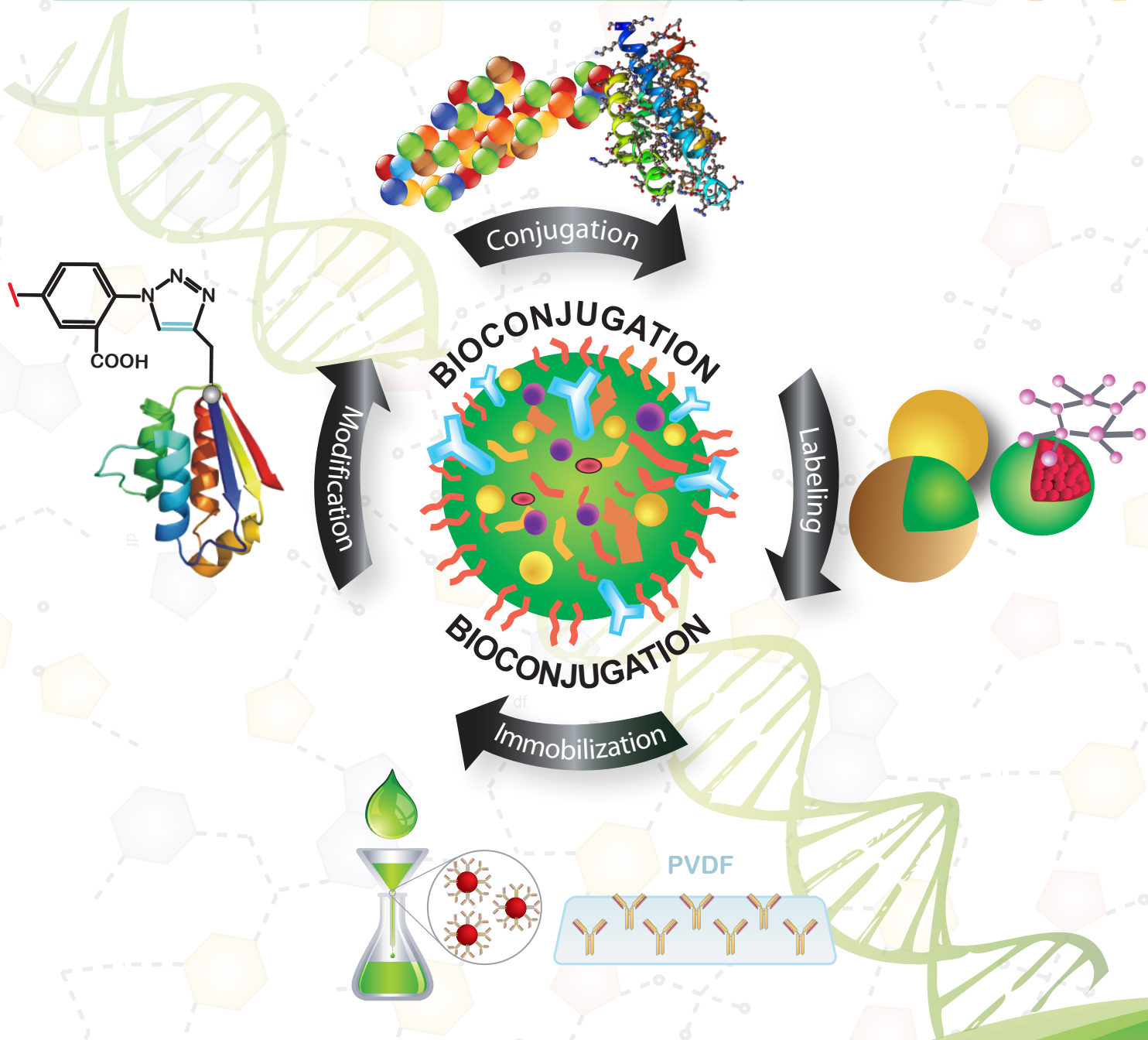
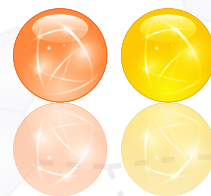


Bioconjugation

Merging Chemical Biology in One Solution

Powering Drug Discovery Through Conjugation Chemistries



www.biosyn.com

Service across Genomics, Proteomics, and Cell Biology



Toll Free: 800.227.0627 | 972.420.8505

Mail: info@biosyn.com

612 E. Main Street, Lewisville, TX 75057 USA

For Your Bioconjugation Requirement

Bio-Synthesis, a leading biology CRO, focuses exclusively on early drug discovery and development services. Built on our one-stop solution and stringent IP protection, Bio-Synthesis provides a comprehensive portfolio of highly specific bioconjugates for biomedical research and pharmaceutical companies worldwide.

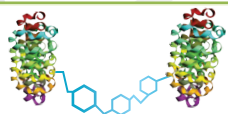
Relying on our state-of-the-art manufacturing facility and over 30 years of combined experience in complex API conjugate technologies, our bioconjugation-based drug discovery and development program have delivered thousands of hybrid complexes. Final products are supported by our in-house bioanalytical laboratory with a full spectrum of analytical tools capable of producing technically challenging yet safe and efficacious drug conjugates.

From project scope analysis to problem solving proposals, Bio-Synthesis strives with confidence to meet your demands of complex biopolymers production and assay development. Our team of experts can construct novel conjugates that can be quickly and cost-effectively added to your value chain.

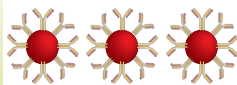
Everything you can imagine is real at Bio-Synthesis, your partner in therapeutic drug innovation.

Our Advantages:

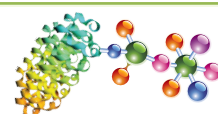
- **High success rate:** Bio-Synthesis' success rate for delivering high quality custom bioconjugates is more than 95%, far higher than our competitors.
- **Full spectrum of services:** Bio-Synthesis offers a complete solution for biologists from sourcing all raw materials to assembling the final product and assay development.
- **Expertise in conjugation chemistry:** Tap into our large talent pool with expertise in multiple disciplinary areas. We can strategically design, synthesize, modify, and crosslink target biopolymers to meet our client's request.
- **State-of-the-art facilities:** Well-equipped synthesis and small molecule synthesis and fine chemical division with cutting-edge analytical tools and sophisticated analytical methods enable us to investigate stability, characterize end products, and ensure batch to batch consistency.



Research
Bioconjugate



Diagnostic
Bioconjugate



Drug
Bioconjugate

Service Portfolios:

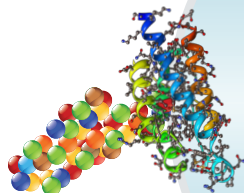
- Antibody modification and dye labeling
- Antibody-drug conjugates (ADC)
- Enzyme-labeling of antibodies, oligos, peptides
- Labels, tags, and probes
- Avidin-biotin systems
- Protein modification and conjugations
- Liposome conjugation and derivatization
- Glycoconjugates
- Macrocyclic metal chelating conjugates
- Antibody-oligonucleotide conjugation
- Oligonucleotide-protein conjugation
- Oligonucleotide-agarose conjugation
- siRNA-peptide conjugation
- Oligonucleotide-polymer conjugation
- Macrosphere and nanoparticles conjugates
- Other biopolymer-polymer conjugations
- Biopolymer-solid support Immobilization
- Development and optimization of key properties of therapeutic protein for *in vitro* and *in-vivo* applications

Flexibility and Endless Options

Labeling Services: Biopolymer-Small Molecule Labeling

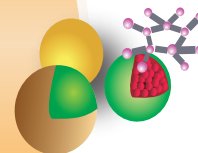
We can conjugate your...

Peptides, peptidomimetics
Oligonucleotide, mimetics
Antibodies and Ab fragment
Protein
Genomic DNA
Simple and complex lipids
Polysaccharides
Synthetic polymers
Synthetic compounds
Natural compounds...



Labelings

Fluorescent labels
Chemiluminescent compounds
Biotins, digoxigenin
Quantum dot nanocrystal
Chelating agents
Nanoparticles
Enzymes
Redox labels
Custom-made compounds



Conjugation Services: Biopolymer-Biopolymer Conjugations

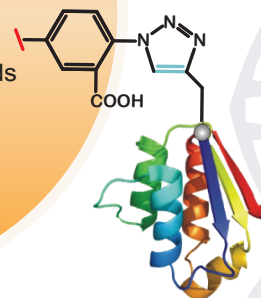
Biopolymer

Small drug molecules
Peptides, peptidomimetics
Oligonucleotide, mimetics
Antibodies and Ab fragment
Protein
Genomic DNA
Simple and complex lipids
Polysaccharides
Synthetic polymers
Synthetic compounds
Natural compounds

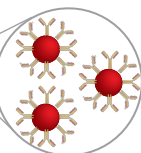


Biopolymer

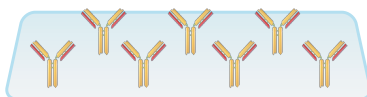
Small drug molecules
Peptides, peptidomimetics
Oligonucleotide mimetics
Antibodies and Ab fragment
Protein
Genomic DNA
Simple and complex lipids
Polysaccharides
Synthetic polymers
Synthetic compounds
Natural compounds



Immobilization on Solid Support



PVDF



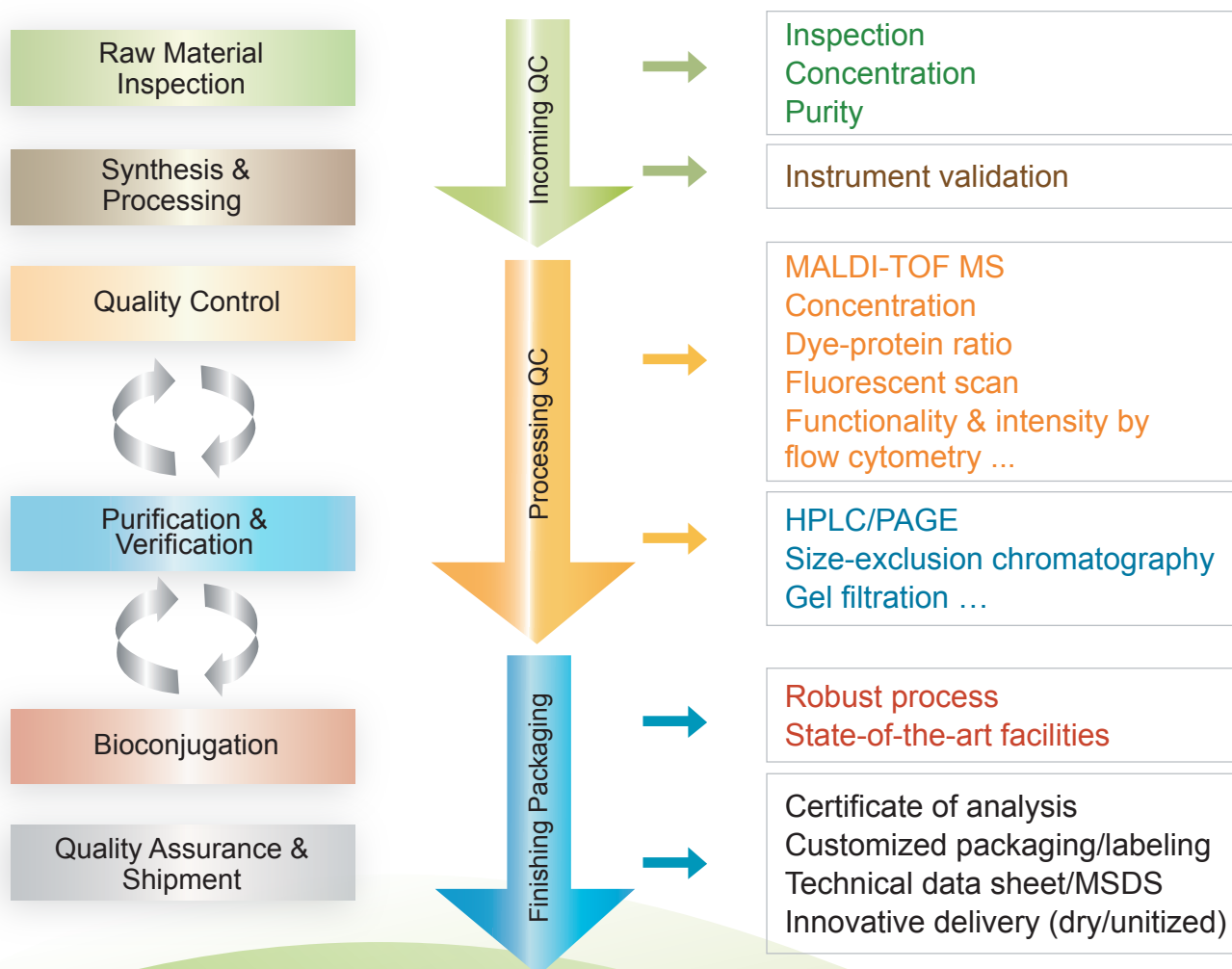
For Your Bioconjugation Application

- Discovery of biological interactions
- Develop diagnostic agents for biochemical assays
- Therapeutic APIs: vaccines development
- Targeting non-invasive imaging *in vivo*
- Purification analysis tools
- Many other industrial applications

Chemistry and Flexibility

- Zero-length cross linking
- Homobifunctional cross linking
- Heterobifunctional cross linking
- Trifunctional cross linking
- Dendrimers and dendron
- Cleavable system
- Biopolymer modification
- Biopolymer activation
- Amine reaction
- Thiol reaction
- Carboxylate reaction
- Hydroxyl reaction
- Aldehyde and ketone reaction
- Active hydrogen reaction
- Photo-chemical reaction
- Cycloaddition reactions

Total Quality Management Through Integrated Processing Platform



BIO SYNTHESIS
COMMITTED TO BIOMIC RESEARCH

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