



CURAPATH

Formulation Development Services

Lipid & Polymer Nanoparticles

Available for:



Nucleic acids



Small molecules



Peptides



REACH OUT



RESOURCES



SOCIAL MEDIA



CURAPATH

More than a CDMO

Formulation Development Services

Essential Package

Polymer Nanoparticle Formulations

PNP



Synthesis feasibility study

- Sourcing of **2 Complexing Polymers** *
- Sourcing of **1 Shielding Polymer***
- QC of Polymers (MW, PDI, Purity, Water Content, Available charges/mol)

- Formulation Screening **15-20** formulations
- QC** (Size/PDI, free Nucleic Acid by GE, Nucleic Acid content by UV/Vis)



Formulation Development



Stability Study

- Stability study preparation of **2 samples.**
- Timepoints and Temperature conditions customised to your needs

*Proprietary Polymers and innovative solutions available.

** Some QC methods may vary for peptides and small molecules.

Formulation Development Services

Advanced Package

Polymer Nanoparticle Formulations

PNP



Synthesis feasibility study

- Sourcing of **3 Complexing Polymers** *
- Sourcing of **1 Shielding Polymer***
- QC of Polymers (MW, PDI, Purity, Water Content, Available charges/mol)

- Formulation Screening **30 formulations**
- QC** (Size/PDI, **free Nucleic Acid by automated GE (Tapestation)**, Nucleic Acid content by UV/Vis)



Formulation Development



Stability Study

- Stability study preparation of **3 samples.**
- Timepoints and Temperature conditions customised to your needs

*Proprietary Polymers and innovative solutions available.

** Some QC methods may vary for peptides and small molecules.

Formulation Development Services

Expert Package

Polymer Nanoparticle Formulations

PNP



- Sourcing of **4 Complexing Polymers** *
- Sourcing of **1 Shielding Polymer***
- QC of Polymers (MW, PDI, Purity, Water Content, Available charges/mol)

- Formulation Screening **40 formulations**
- QC** (Size/PDI, free Nucleic Acid by **Automated GE (TapeStation)**, Nucleic Acid content by UV/Vis) and **EE% by picogreen**



- Stability study preparation of **4 samples.**
- Timepoints and Temperature conditions customised to your needs

- **In Vitro Potency Assays of 4 selected candidates.**



*Proprietary Polymers and innovative solutions available.

** Some QC methods may vary for peptides and small molecules.

For extended info and Inquiries contact BD@curapath.com

Formulation Development Services

Choose your Package

Polymer Nanoparticle Formulations

PNP

Essential Package

Advanced Package

Expert Package

Total Formulations Screened

20

30

40

Number of complexing polymers

2

3

4

Number of selected samples

2

3

4

In-Vitro Studies

Included



All packages can be customised according to your project specific needs



Six weeks to take your PNP formulations from concept to preclinical



Your quote, delivered in less than 24 hours

Formulation Development Services

Essential Package

Lipid Nanoparticle Formulations

LNP



Lipid Sourcing

- Sourcing of reference lipids (Ionizable lipids*, Helper lipids, Shielding Lipids*)

- Generation of LNP formulations with your proprietary nucleic acid
- Formulation screening of **10 formulations**
- QC (Size/PDI by DLS, nucleic acid content by UV-Vis, EE% by GE)



Formulation Development



Stability Study

- Stability study preparation of **2 samples.**
- Timepoints and Temperature conditions customised to your needs

*Proprietary Lipids and innovative alternatives available.

Formulation Development Services

Advanced Package Lipid Nanoparticle Formulations

LNP



Lipid Sourcing

- Sourcing of reference lipids (Ionizable lipids*, Helper lipids, Shielding Lipids*)

- Generation of LNP formulations with your proprietary nucleic acid
- Formulation screening of **15 formulations**
- QC (Size/PDI by DLS, nucleic acid content by UV-Vis, **EE% by Ribogreen**)



Formulation Development



Stability Study

- Stability study preparation of **3 samples.**
- Timepoints and Temperature conditions customised to your needs

*Proprietary Lipids and innovative alternatives available.

Formulation Development Services

Expert Package

Lipid Nanoparticle Formulations

LNP



Lipid Sourcing

- Sourcing of reference lipids (Ionizable lipids*, Helper lipids, Shielding Lipids*)

- Generation of LNP formulations with your proprietary nucleic acid
- Formulation screening of **20 formulations**
- QC (Size/PDI by DLS, nucleic acid content by UV-Vis, **EE% by Ribogreen**, **identity by PCR**)



Formulation Development



Stability Study

- Stability study preparation of **4 samples.**
- Timepoints and Temperature conditions customised to your needs

- **In Vitro Potency Assays of 4 selected candidates.**



In-Vitro Study

*Proprietary Lipids and innovative alternatives available.

For extended info and Inquiries contact BD@curapath.com

Formulation Development Services

Choose your Package Lipid Nanoparticle Formulations

LNP

Essential
Package

Advanced
Package

Expert
Package

Total
Formulations
Screened

10

15

20

Anlytical
methods

Basic

Extended

Deep

Number of
selected
samples

2

3

4

In-Vitro
Studies

Included



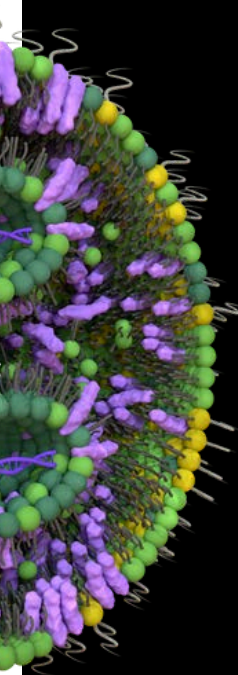
All packages can be customised according to your project specific needs



Six weeks to take your PNP formulations from concept to preclinical



Your quote, delivered in less than 24 hours

A detailed illustration of a spherical nanoparticle on the left side of the page. It is composed of numerous small, colorful spheres (green, purple, yellow) arranged in a complex, layered structure, with thin, wavy lines extending from its surface.

Formulation Development Services

Lipid & Polymer Nanoparticles

For extended info and Inquiries contact BD@curapath.com
or visit www.curapath.com



REACH OUT



RESOURCES



SOCIAL MEDIA



CURAPATH
More than a CDMO