

## New Practical Process for RNA Synthesis

- **Short Coupling Time**

4 minutes with 0.25 M ETT.

- **Higher Coupling Efficiency**

Comparable to standard DNA amidites.

- Long chain RNA are conveniently synthesized

- No Need for Process Change / Re-validation

Same 2'-TBDMS protection as conventional RNA amidites.

- High purity of crude & purified RNA oligomers

Crude RNA oligomers (~20–25 bases in length) are greater than 90% purity and Purified oligos are greater than 97%.

- Ultra High Purity 3'-modifications synthesized with ease  
3'-Cholesterol, 3'-Disulfide, 3'-HEG, 3'-PEG, etc.

- No 3'-isomer detected

Isomer formation does not occur during PNS processing.

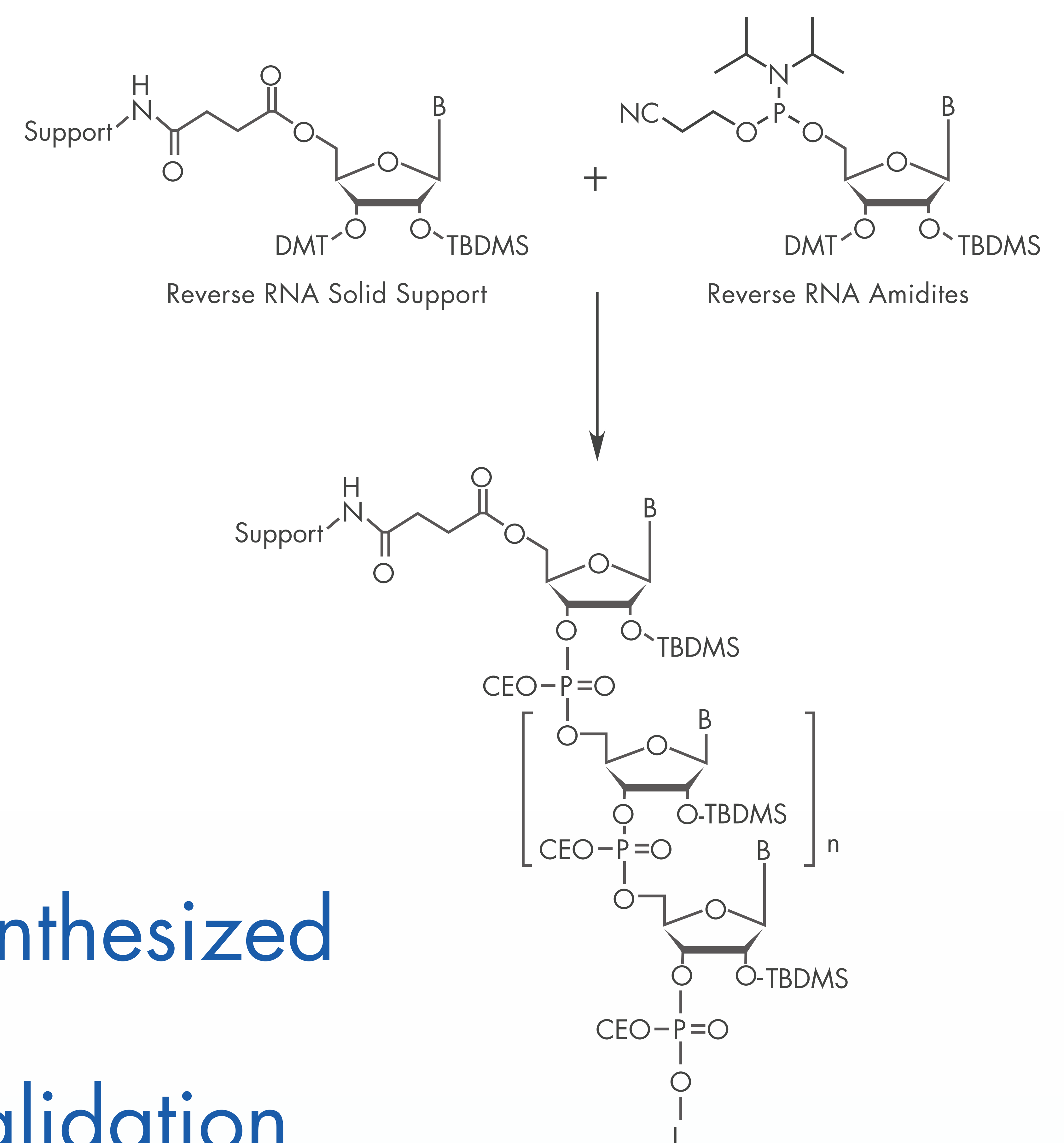
- Absence of N+1 impurities

- Applicable to synthesis of siRNA, microRNA's

ChemGenes will be offering all useful modified Reverse amidites.

Reverse 2'-O-Methyl amidites already available.

Reverse 2'-Fluoro A, C, G and U are in development.



Evaluation samples are available  
[www.reverserna.com](http://www.reverserna.com)