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| **Sample name:** | RNP-NC for liver-on-a-chip project |
| **Prep date:** | 02-21-2021 |
| **Ship date:** | 02-22-2021 |
| **Payload:** | CRISPR-Cas9 ribonucleoprotein (RNP) with **ATTO550** tag |
| **Buffer:** | 20 mM HEPES-NaOH pH 7.5 ,150 mM NaCl,10 % glycerol |
|  |  |  |  |  |
| **Group:** | **Number** | **Content** | **Dose** | **Quantity** |
| **1** | **1** | NC no ligand | **2.4 μg,** add 160 μl to each well | 3 tubes |
| **2** | NC no ligand | **24 μg**, add 160 μl to each well | 3 tubes |
| **2** | **3** | NC-triGalNAc | **2.4 μg**, add 160 μl to each well | 3 tubes |
| **4** | NC-triGalNAc | **24 μg**, add 160 μl to each well | 3 tubes |
| **3** | **5** | NC-TAT | **2.4 μg,** add 160 μl to each well | 3 tubes |
| **6** | NC-TAT | **24 μg**, add 160 μl to each well | 3 tubes |
| **4** |  | RNP for Lipo 2000 control | 90 μg RNP in 12 μl buffer | 2 tubes |
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| **Storage:** | 1. RNP NCs were flash frozen in liquid nitrogen and stored at -80oC/dry ice thereafter. Please keep NCs frozen and stored at -80 oC if not using it directly. The NCs should be stable for about a week at -80 oC.
2. Repeated freeze-and thaw may affect RNP activity.
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| **Handling:** | NCs can be thawed on wet ice within 30 min and used directly without further processing. |