



### DNA/RNA Delivery Core

Director: Irina Budunova, MD/PhD  
 Associate Director: Alex Yemelyanov, MD/PhD  
 Research Associate: Pankaj Bhalla, PhD

### Contact Us:

Tarry #4-750  
 Chicago, IL 60611  
 Email: [a-yemelyanov@northwestern.edu](mailto:a-yemelyanov@northwestern.edu)  
 (312) 503-4192

Core D FY17 Rates		SDRC Member	Non-Member	External
<b>D.1.1</b>	Maxiprep Production of the Expression Vectors	\$ 115.00	\$ N/A	\$ N/A
<b>D.1.31</b>	Miniprep Production of the expression vectors	\$ N/A	\$ 60.00	\$ 96.00
<b>D.1.32</b>	Molecular cloning	\$ 115.00	\$ 230.00	\$ 368.00
<b>D.1.12</b>	Selection of efficient pGIPZ shRNA / MiR clones	\$ 345.00	\$ 760.00	\$ 1216.00
<b>D.1.13</b>	Retro/lentiviral stocks with pre-selected pGIPZ-shRNA/ MiR clone, 10 ml (108 -109 TU/ml)	\$ 250.00	\$ 620.00	\$ 992.00
<b>D.1.10</b>	Retro/lentiviral stocks with custom expression vector, 10 ml (108-109 TU/ml)	\$ 260.00	\$ N/A	\$ N/A
<b>D.1.15</b>	Combo: Retro/lentiviral stocks with per-selected pGIPZ-shRNAmir clone, 10 ml (107-108 TU/ml) + 6 ml of GFP-expressing control virus	\$ 465.00	\$ N/A	\$ N/A
<b>D.1.7</b>	Retro/lentiviral stocks for protein expression, 10 ml (107-108 TU/ml)	\$ 300.00	\$ 440.00	\$ 704.00
<b>D.1.9</b>	Combo: Retro/lentiviral stocks for protein expression, 10 ml (107 -108 TU/ml) + 6 ml of control GFP-expressing virus	\$ N/A	\$ 478.00	\$ 764.80
<b>D.1.22</b>	Generation of the lentivirus for delivery of a transcription factor luciferase reporter	\$ 300.00	\$ 600.00	\$ 960.00
<b>D.1.25</b>	Generation of the lentivirus for delivery of a transcription factor luciferase reporter--2ML	\$ 125.00	\$ 280.00	\$ 448.00
<b>D.1.14</b>	Positive control lentivirus expressing pGIPZ vector with inactive shRNA/Mir, 10 ml (10 <sup>7</sup> - 10 <sup>8</sup> TU/ml)	\$ 260.00	\$ N/A	\$ N/A
<b>D.1.26</b>	Positive control lentivirus expressing pGIPZ vector with inactive shRNAmir, 10 ml (10 <sup>7</sup> -10 <sup>8</sup> TU/ml) - 2ML	\$ N/A	\$ N/A	\$ N/A
<b>D.1.8</b>	Control GFP retro/lentiviral stock, 10 ml (10 <sup>7</sup> -10 <sup>8</sup> TU/ML)	\$ N/A	\$ N/A	\$ N/A
<b>D.1.27</b>	Control GFP retro/lentiviral stock, 6 ml (10 <sup>8</sup> -10 <sup>9</sup> tu/ML) --2ML	\$ N/A	\$ 305.00	\$ 488.00

<b>D.1.21</b>	Generation of a stably infected cell line with a specific transgene or shRNA	\$ 290.00	\$ N/A	\$ N/A
<b>D.1.20</b>	Generation of a stably infected cell line with a fluorescent protein tracker (YFP/RFP)	\$ 290.00	\$ N/A	\$ N/A
<b>D.1.23</b>	Concentrated lentiviral stock upto 10 <sup>10</sup> TU/ml (reconstituted in the media of choice or PBS/Glycerol solution) 100 ul, aliquoted by 10 ul	\$ 460.00	\$ 850.00	\$ 1360.00
<b>D.1.33</b>	Western Blot analysis of protein expression/silencing (Abs should be provided by the customer)	\$ 115.00	\$ N/A	\$ N/A
<b>D.1.34</b>	Immuno-histological analysis of the protein expression/silencing (Abs should be provided by the customer)	\$ 18.00	\$ N/A	\$ N/A
<b>D.1.35</b>	PGIPZ vector clone expressing shRNA (NU Open Biosystems Library)	\$ N/A	\$ 50.00	\$ 80.00
<b>D.1.36</b>	CRISPR: Generation of a lentivirus expressing CAS9 or CAS9-Nickase (2X1 ml aliquots)	\$ 125.00	\$ N/A	\$ N/A
<b>D.1.37</b>	CRISPR: Generation of a cell line stably expressing CAS9 or CAS9-Nickase	\$ 264.00	\$ 264.00	\$ 422.40
<b>D.1.38</b>	CRISPR: gRNA designing (2-4 gRNAs) and algorithm optimization	\$ 50.00	\$ 67.00	\$ 107.20
<b>D.1.39</b>	CRISPR: gRNA preparation and transient delivery	\$ 80.00	\$ 108.00	\$ 172.80
<b>D.1.40</b>	CRISPR: Assesment of gRNA efficiency and generation of a bulk cell culture containing 40-50% of the cells with knocked-down gene target	\$ N/A	\$ N/A	\$ N/A
<b>D.1.41</b>	CRISPR: Selection of cell clones (2-3 clones) with 100% knock-down of a target gene (bulk cell population of CRISPR-knocked-down cells used)	\$ 155.00	\$ 200.00	\$ 320.00
<b>D.1.42</b>	CRISPR: Complete service of CRISPR-mediated gene knock-down: CAS9/CAS9-nickase lentivirus, stable CAS9/CAS9-nickase cell line, generation of 2-3 clones with 100% knocked-down target gene	\$ N/A	\$ N/A	\$ N/A