

Product Analysis Certificate

CellTracker™ 10-Barcode Cell Labeling Kit (Unique Sequence and RFP Marker)



CellTracker™ 10-Barcode Cell Labeling Kit (Unique Sequence and RFP Marker)

Contents: CellTracker™ 10-Barcode Cell Labeling Kit

Catalog #: BCRPP10-V

Lot #: 180710015
(Box 1: 180609009) - Store at -20°C
(Box 2: 180609010) - Store at -80°C

Description:

Cellecta's 10-Barcode Cell Labeling Kit consists of 10 lentiviral packaged barcode constructs uniquely designed based on the CellTracker™ 13K x 13K Barcode Library. The cloning vector is the same as that in the library, the pRSI16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker) vector.

The titer of packaged constructs provided by Cellecta is functionally determined by transduction of 293T cells and either FACS of RFP- or GFP-positive cells, antibiotic selection assay, or by PCR titering of integrated viral DNA.

Biosafety Level: BSL-2

Storage: -80°C

Shelf Life: 1 year from date of receipt

Shipping Conditions: Dry Ice

Kit Contents:

Box 1. Reagents for amplification and sequencing.

| Contents | Lot # | Quantity | Storage |
|-------------------------------|-----------|----------|---------|
| Taq DNA Polymerase | 180609001 | 300 µl | -20°C |
| Taq DNA Polymerase Buffer | 180609002 | 1500 µl | -20°C |
| dNTP Mix | 180609003 | 300 µl | -20°C |
| PCR-grade Water | 180609004 | 10 ml | -20°C |
| First PCR Primer Mix | 180609005 | 120 µl | -20°C |
| Second PCR Primer Mix | 180609006 | 1500 µl | -20°C |
| Forward Sequencing Primer | 180609007 | 100 µl | -20°C |
| Positive Control Template DNA | 180609008 | 25 µl | -20°C |

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Box 2. Pre-packaged lentiviral particles.

| Contents | Lot # | Quantity | Storage |
|------------------------------------|-----------|-------------------------|---------|
| CellTracker™ Barcode Construct #1 | 171031901 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #2 | 171031902 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #3 | 171031903 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #4 | 171031904 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #5 | 171031905 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #6 | 171025906 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #7 | 171025907 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #8 | 171025908 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #9 | 171025909 | >1 x 10 ⁷ TU | -80°C |
| CellTracker™ Barcode Construct #10 | 171025910 | >1 x 10 ⁷ TU | -80°C |

Quality Control

Contamination-Free: Each lot of 10-Barcode Cell Labeling Kit is tested for bacterial contamination.

Mycoplasma-Free: Each lot of 10-Barcode Cell Labeling Kit is certified to be mycoplasma-free, as determined by RT-PCR.

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Barcode Construct Description:

| # | Part # | Description |
|---|------------------------------|---|
| 1 | BCRPP-BC01-V | CellTracker™ Lentiviral Barcode Construct #1 bc_OA2677_1069 in pRS116-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) <u>Packaged, > 1 x 10⁷ TU:</u> 1.25 x 10⁷ TU , 1.25 x 10 ⁷ TU/ml (1000 µl x 1 vial) Lot# 171031901; <i>Store at -80°C</i> |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 1069: ACCAGTCAGTGTACTGCA |
| | Insert Sequence: | TTCGCAACTGACACACACTGTTTCGACCAGTCAGTGTACTGCA |
| | Sequencing QC: | ANTTTTTCNNNTGGGGNAGNNTTGCAGTTTTTAAATATGTTTTTAAATGGACTATCATATGCTTACCGTAACT TGAAAGTATTTTCGATTTCTTGGCTTTATATATCTTGTGGAAAGGACGAAACACCCGGAGTCTTCTTTTTTGAA TTCAAGCAAAGACGGCATAACGAAGACAGTTTCGCAACTGACACACACTGTTTCGACCAGTCAGTGTACTGC ATTTCGGACTGTAGAACTCTGAACCTCGAGCAATTTAAAAGAAAAGGGGGATTGGGGGTACAGTGCAGGGG AAAGAATAGTAGACATAATAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 2 | BCRPP-BC02-V | CellTracker™ Lentiviral Barcode Construct #2 bc_OA2677_8773 in pRS116-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) <u>Packaged, > 1 x 10⁷ TU:</u> 1.23 x 10⁷ TU , 1.23 x 10 ⁷ TU/ml (1000 µl x 1 vial) Lot# 171031902; <i>Store at -80°C</i> |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 8773: GTGTACGTACCAGTCACA |
| | Insert Sequence: | TTCGCAACTGACACACACTGTTCCGGTGTACGTACCAGTCACA |
| | Sequencing QC: | ANNNTTCCNNNNNNNANNTTGNNGNTNNAAAATATGTTTTTAAATGGACTATCATATGCTTACCGTAACT TGAAAGTATTTTCGATTTCTTGGCTTTATATATCTTGTGGAAAGGACGAAACACCCGGAGTCTTCTTTTTTGAA TTCAAGCAAAGACGGCATAACGAAGACAGTTTCGCAACTGACACACACTGTTCCGGTGTACGTACCAGTCAC ATTTCGGACTGTAGAACTCTGAACCTCGAGCAATTTAAAAGAAAAGGGGGATTGGGGGTACAGTGCAGGGG AAAGAATAGTAGACATAATAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 3 | BCRPP-BC03-V | CellTracker™ Lentiviral Barcode Construct #3 bc_OA2677_15885 in pRS116-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) <u>Packaged, > 1 x 10⁷ TU:</u> 1.18 x 10⁷ TU , 1.18 x 10 ⁷ TU/ml (1000 µl x 1 vial) Lot# 171031903; <i>Store at -80°C</i> |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 15885: CACATGTGACGTGTTGCA |
| | Insert Sequence: | TTCGCAACTGACACACACTGTTTCGCACATGTGACGTGTTGCA |
| | Sequencing QC: | ATTTNCNNNNNNNAGGTTGCNNTTTTAAATATGTTTTTAAATGGACTATCATATGCTTACCGTAACTTG AAAGTATTTTCGATTTCTTGGCTTTATATATCTTGTGGAAAGGACGAAACACCCGGAGTCTTCTTTTTTGAATT CAAGCAAAGACGGCATAACGAAGACAGTTTCGCAACTGACACACACTGTTTCGCACATGTGACGTGTTGCAT TCGGACTGTAGAACTCTGAACCTCGAGCAATTTAAAAGAAAAGGGGGATTGGGGGTACAGTGCAGGGGAA AGAATAGTAGACATAATAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |

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| # | Part # | Description |
|---|------------------------------|---|
| 4 | BCRPP-BC04-V | <p>CellTracker™ Lentiviral Barcode Construct #4 bc_OA2677_6248 in pRS16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) <u>Packaged, > 1 x 10⁷ TU:</u> 1.18 x 10⁷ TU, 1.18 x 10⁷ TU/ml (1000 µl x 1 vial) Lot# 171031904; <i>Store at -80°C</i></p> |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 6248: ACACCAACGTCAACACGT |
| | Insert Sequence: | TTCGCAACTGACACACACTGTTTCGACACCAACGTCAACACGT |
| | Sequencing QC: | ANTTTNNNNNNNAGNTTTCAGTTTTAAAATTATGTTTTAAAATGGACTATCATATGCTTACCCTAACCTG AAAGTATTTTCGATTTCTTGGCTTTATATATCTTGTGGAAAGGACGAAACACCGGAGCTTCTTTTGAATT CAAGCAAAGACGGCATAACGAAGACAGTTTCGCAACTGACACACACTGTTTCGACACCAACGTCAACACGTT TCGGACTGTAGAACTCTGAACCTCGAGCAATTTAAAAGAAAAGGGGGGATTGGGGGGTACAGTGCAGGGGAA AGAATAGTAGACATAATAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 5 | BCRPP-BC05-V | <p>CellTracker™ Lentiviral Barcode Construct #5 bc_OA2677_5282 in pRS16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) <u>Packaged, > 1 x 10⁷ TU:</u> 1.09 x 10⁷ TU, 1.09 x 10⁷ TU/ml (1000 µl x 1 vial) Lot# 171031905; <i>Store at -80°C</i></p> |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 5282: ACGTCACAGTACACGTAC |
| | Insert Sequence: | TTCGCAACTGACACACACTGTTTCGACGTACAGTACACGTAC |
| | Sequencing QC: | ATTTTCNNNGGTNGCGACTGTCTTCGATGCGCGCTTTTGGCTTGGATTATCAAAAAGAAGACTCGGGTGTTC GTCCTTTCCAATTGATTGGCTTTGCCTAGAAATCGAAATACGACGAAGTTACGGAAATGTTCTTTTGAATT TTTTAAAAAACGGTATACAACTACAGTTTCGCAACTGACACACACTGTTTCGACGTACAGTACACGTACT TCGGACTGTAGAACTCTGAACCTCGAGCAATTTAAAAGAAAAGGGGGGATTGGGGGGTACAGTGCAGGGGAA AGAATAGTAGACATAATAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 6 | BCRPP-BC06-V | <p>CellTracker™ Lentiviral Barcode Construct #6 bc_OA2677_13583 in pRS16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) <u>Packaged, > 1 x 10⁷ TU:</u> 1.99 x 10⁷ TU, 9.94 x 10⁶ TU/ml (1000 µl x 2 vials) Lot# 171025906; <i>Store at -80°C</i></p> |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 13583: GACTGCACAGTGTGTG |
| | Insert Sequence: | TTCGCAACTGACACACACTGTTTCGGTACTGCACAGTGTGTG |
| | Sequencing QC: | AANNNTNNNNNGNNGTAGTTTGCAGTTTTNAATTATGTTTTAAAATGGACTATCATATGCT TACCGTAACTTAAAAGTATTTGATTTCTTGGCTTTATATATCTTGTGGAAAGGACGAAACA CCGGAGTCTTCTTTTGAATTCAAGCAAAGACGGCATAACGAAGACAGTTTCGCAACTGACA CACACTGTTTCGGTACTGCACAGTGTGTGTTTCGGACTGTAGAACTCTGAACCTCGAGCAA TTTAAAAGAAAAGGGGGGATTGGGGGGTACAGTGCAGGGGAAAGAATAGTAGACATAAT AGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 7 | BCRPP-BC07-V | <p>CellTracker™ Lentiviral Barcode Construct #7 bc_OA2677_14676 in pRS16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) <u>Packaged, > 1 x 10⁷ TU:</u> 1.03 x 10⁷ TU, 1.03 x 10⁷ TU/ml (1000 µl x 1 vial) Lot# 171025907; <i>Store at -80°C</i></p> |

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| # | Part # | Description |
|----|------------------------------|---|
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 14676: GTCATGACCACACACAGT |
| | Insert Sequence: | TTCGCAACTGACACACACACTGTTCCGGTCATGACCACACACAGT |
| | Sequencing QC: | AATTTTCNNNGNNGNAGNTNGCAGTTTTAAATTATGTTTTAAAATGGACTATCATATGCTTA CCGTAACCTGAAAGTATTTGATTTCTTGGCTTATATATCTTGTGGAAAGGACGAAACACC GGAGTCTTCTTTTTGAATTC AAGCAAAGACGGCATAACGAAGACAGTTCGCAACTGACAC ACACACTGTTCCGGTCATGACCACACACAGTTTCGGACTGTAGA ACTCTGAACCTCGAGCAAT TTAAAAGAAAAGGGGGGATTGGGGGGTACAGTGCAGGGGAAAGAATAGTAGACATAATA GCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 8 | BCRPP-BC08-V | CellTracker™ Lentiviral Barcode Construct #8 bc_OA2677_15163 in pRS16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) Packaged, > 1 x 10 ⁷ TU: 1.83 x 10 ⁷ TU, 9.16 x 10 ⁶ TU/ml (1000 µl x 2 vials) Lot# 171025908; Store at -80°C |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 15163: CAGTTGACTGGTTGACTG |
| | Insert Sequence: | TTCGCAACTGACACACACACTGTTCCGCAGTTGACTGGTTGACTG |
| | Sequencing QC: | AATTTTTNNNNNNNNGNAGTTTTGCAGTTTTAANATTATGTTTTAAAATGGACTATCATATG CTTACCCTGAAAGTATTTGATTTCTTGGCTTATATATCTTGTGGAAAGGACGAAAC ACCGGAGTCTTCTTTTTGAATTC AAGCAAAGACGGCATAACGAAGACAGTTCGCAACTGAC ACACACTGTTCCGCAGTTGACTGGTTGACTGTTCCGGACTGTAGA ACTCTGAACCTCGAGCA ATTTAAAAGAAAAGGGGGGATTGGGGGGTACAGTGCAGGGGAAAGAATAGTAGACATAA TAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 9 | BCRPP-BC09-V | CellTracker™ Lentiviral Barcode Construct #9 bc_OA2677_741 in pRS16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) Packaged, > 1 x 10 ⁷ TU: 1.86 x 10 ⁷ TU, 9.28 x 10 ⁶ TU/ml (1000 µl x 2 vials) Lot# 171025909; Store at -80°C |
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACTG 741: ACTGGTGTACTGACCACA |
| | Insert Sequence: | TTCGCAACTGACACACACACTGTTCCGACTGGTGTACTGACCACA |
| | Sequencing QC: | NNNTTCNNTGNNGNAGTTTGNANTTTANNATTANGTTTTAAAATGGACTATCATATG CTTACCCTGAAAGTATTTGATTTCTTGGCTTATATATCTTGTGGAAAGGACGAAAC ACCGGAGTCTTCTTTTTGAATTC AAGCAAAGACGGCATAACGAAGACAGTTCGCAACTGAC ACACACTGTTCCGACTGGTGTACTGACCACATTCGGACTGTAGA ACTCTGAACCTCGAGCA ATTTAAAAGAAAAGGGGGGATTGGGGGGTACAGTGCAGGGGAAAGAATAGTAGACATAA TAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |
| 10 | BCRPP-BC10-V | CellTracker™ Lentiviral Barcode Construct #10 bc_OA2677_1569 in pRS16-U6-(bc)-UbiC-TagRFP-2A-Puro (CellTracker™) Packaged, > 1 x 10 ⁷ TU: 1.80 x 10 ⁷ TU, 9.00 x 10 ⁶ TU/ml (1000 µl x 2 vials) Lot# 171025910; Store at -80°C |

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| # | Part # | Description |
|---|------------------------------|--|
| | Barcode ID(s) / Sequence(s): | OA2677: CAACTGACACACACACTG 1569: CACAGTCAACGTACGTCA |
| | Insert Sequence: | TTCGCAACTGACACACACACTGTTTCGCACAGTCAACGTACGTCA |
| | Sequencing QC: | NNNNTNNNNNNNNNNNGTTNGNNNNTTANAATTATGTTTTAAAATGGACTATCATAT GCTTACCGTAACTGAAAGTATTTTCGATTTCTTGGCTTTATATATCTTGTGGAAAGGACGAA ACACCGGAGTCTTCTTTTTGAATTCAAGCAAAGACGGCATACGAAGACAGTTCGCAACTG ACACACACACTGTTTCGCACAGTCAACGTACGTCAATTCGGACTGTAGAACTCTGAACCTCGAG CAATTTAAAAGAAAAGGGGGGATTGGGGGTACAGTGCAGGGGAAAGAATAGTAGACAT AATAGCAACAGACATACAA |
| | Sequencing Primer: | ATTAGTACAAAATACGTGACGTAGAA (U6-3) |

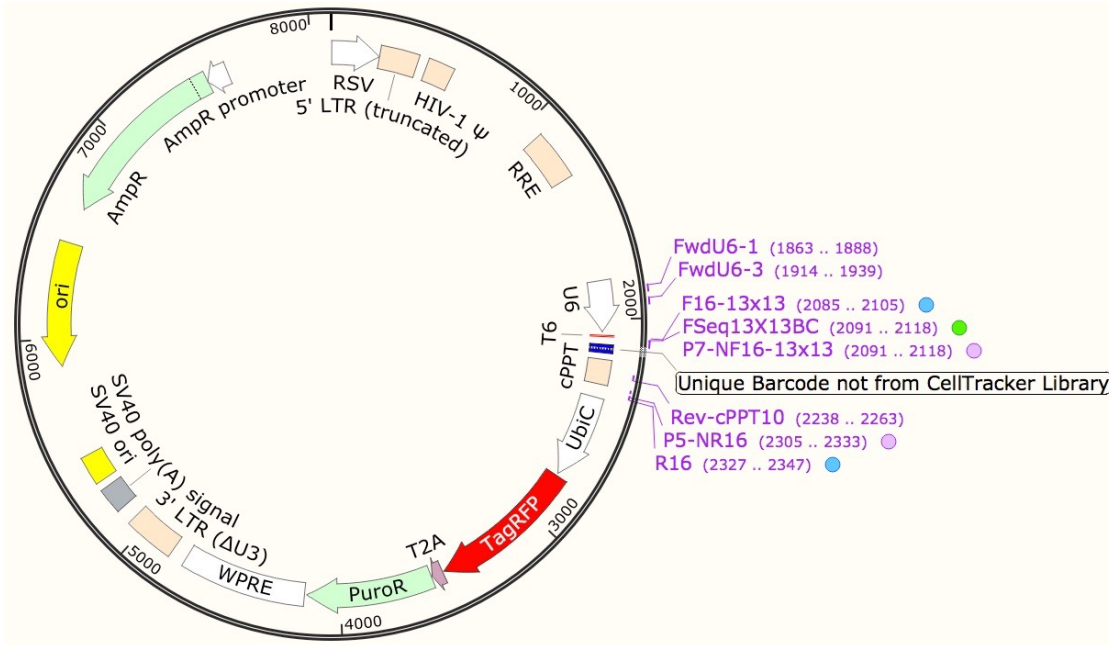


CELLECTA

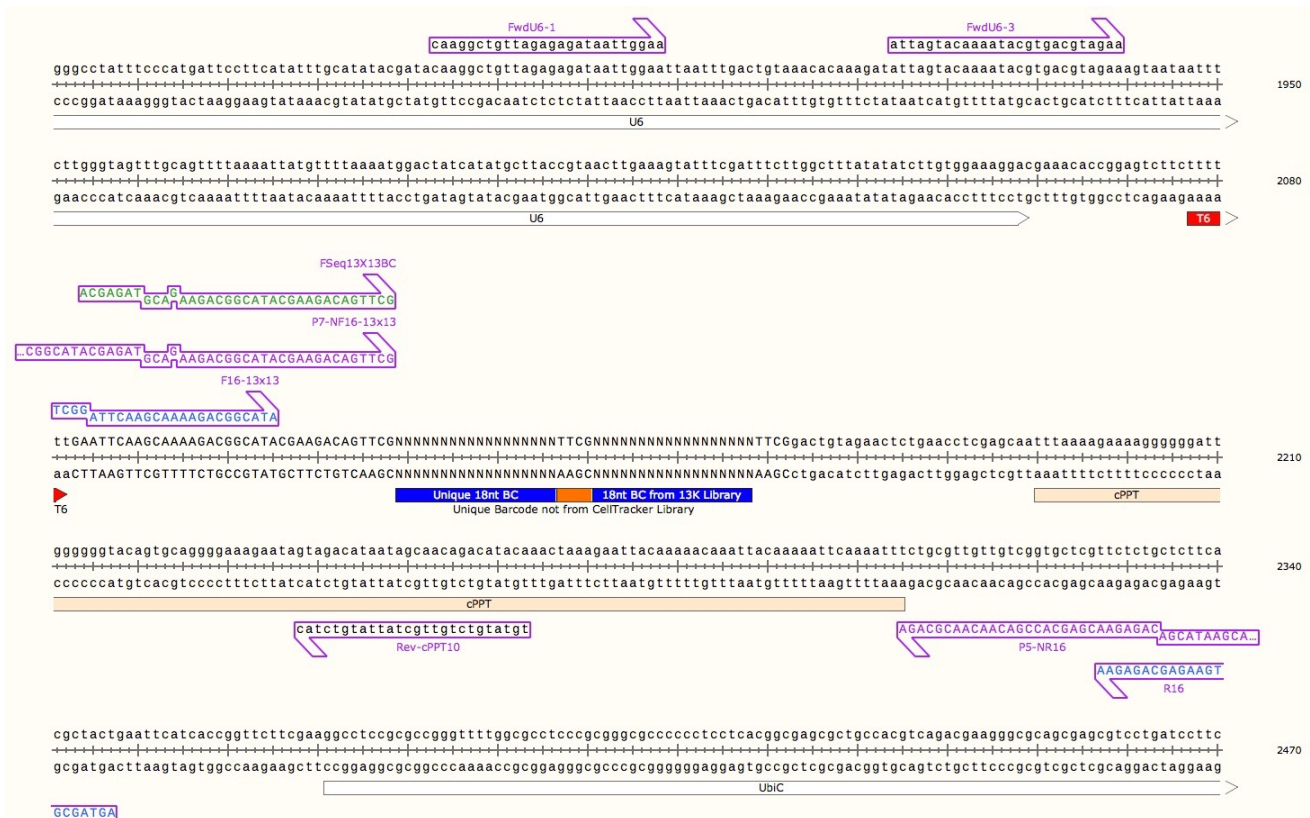
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CellTracker™ Barcode Construct Vector Map



NGS and Standard Sequencing Primer Map





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CellTracker™ Barcode Construct Primer Sequences

Primers for NGS

First Round PCR

| | |
|-----------|-------------------------------|
| F16-13x13 | 5' -TCGGATTCAAGCAAAAGACGGCATA |
| R16 | 5' -AGTAGCGTGAAGAGCAGAGAA |

Second Round PCR (primers contain Illumina P5 and P7 sequences required for NGS on the NextSeq 500, HiSeq, or GAIIX)

| | |
|---------------|---|
| P7-NF16-13x13 | 5' -CAAGCAGAAGACGGCATAACGAGATGCAGAAAGACGGCATAACGAAGACAGTTCCG |
| P5-NR16IND* | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATACGACAGAGAACGAGCACCACCAACGCAGA |

NGS Primers (44 cycles)

| | |
|-------------|---|
| FSeq13x13BC | 5' -ACGAGATGCAGAAGACGGCATAACGAAGACAGTTCCG (HPLC Purified) |
| RSeq16BC | 5' -AGCTCGAGGTTTCAGAGTTCTACAGTCCGAA (HPLC Purified) |

NGS Index Primers (6 cycles)*

| | |
|-----------|--|
| FSeq16IND | 5' -TCTGCGTTGTTGTCGGTGTCTGTTCTCT (HPLC Purified) |
| RSeq16IND | 5' -ACACGCACGACGAGACGCAGACGAA (HPLC Purified) |

*Second Round Indexing PCR Primers:

We provide the primer sequences we use for multiplexing, however we do not provide a detailed protocol on their use and only offer very limited support. The general amplification procedures are the same as in the manual for the standard sequencing protocol, but use of the indexing primers may require some optimization on your system. NOTE: Please limit the number of indexed samples per flow cell based on minimum number of reads required per sample. Please read the CellTracker Library User Manual for more detailed information (<https://www.cellecta.com/resources/product-manuals-and-certificates/>).

| | |
|--------------|---|
| P5-NR16IND-A | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATACGACAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-B | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATGATGAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-C | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAAGCATCAAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-D | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAAGTCTGAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-E | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATCGCATAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-F | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATAGCAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-G | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAAGCGTAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-H | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATATCGAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-I | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATCAAGAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-J | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAAGGATTCAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-K | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATGGAAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-L | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAAGCCTAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-M | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATGATCAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-N | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAAGCTGATAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-O | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAACAGCTGAGAGAACGAGCACCACCAACGCAGA |
| P5-NR16IND-P | 5' -ACGGCGACCACCGAGATCTACACGCACGACGAGACGACGAGCGAGAAATCAGCAGAGAACGAGCACCACCAACGCAGA |

Primers for Sanger Sequencing

Standard Barcode Insert Screening PCR Primers

| | |
|------------|--------------------------------|
| FwdU6-1 | 5' -CAAGGCTGTAGAGAGATAATTTGGAA |
| Rev-cPPT10 | 5' -TGTATGTCTGTGCTATTATGTCTAC |

Standard Sanger Sequencing Primer

| | |
|---------|--------------------------------|
| FwdU6-3 | 5' -ATTAGTACAAAATACGTGACGTAGAA |
|---------|--------------------------------|

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Terms and Conditions

Collecta, Inc. Limited License

Collecta grants the end user (the "Recipient") of the 5-Barcode Cell Labeling Kit (the "Product") a non-transferable, non-exclusive license to use the reagents for internal research use only as described in the enclosed protocols; in particular, research use only excludes and without limitation, resale, repackaging, or use for the making or selling of any commercial product or service without the written approval of Collecta, Inc. -- separate licenses are available for non-research use or applications. The Product is not to be used for human diagnostics or included/used in any drug intended for human use. Care and attention should be exercised in handling the Product by following appropriate research laboratory practices.

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Limited Use Licenses

The Recipient acknowledges that Product has been developed by Collecta based on licenses from Third Parties and agrees with the Terms of Limited Use for the Recipient provided by the Third Parties:

Life Technologies Corporation End-User Label License for the use of Lentiviral Expression System:

"This product or service (based upon the Lentiviral Expression System) is sublicensed from Life Technologies Corporation under U.S. Patent Nos. 5,686,279; 5,834,256; 5,858,740; 5,994,136; 6,013,516; 6,051,427; 6,165,782; 6,218,187; 6,428,953; 6,924,144; 7,083,981 and 7,250,299 and corresponding patents and applications in other countries for internal research purposes only. Use of this technology for gene therapy applications or bioprocessing other than for nonhuman research use requires a license from GBP IP, LLC. Please contact GBP IP, LLC 537 Steamboat Road, Suite 200, Greenwich, CT 06830. Use of this technology to make or sell products or offer services for consideration in the research market requires a license from Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008."

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