



# 250K Celsingle 3 Prime v2.0 Site Checklist

## PN 70230



# 250K Celsingle Advantage Program 3 Prime v2.0 Site Checklist

For research use only. Not for use in diagnostic procedures.

|  |   |
|--|---|
| List of Provided Components and Consumables    | 3 |
| Additional Equipment, Consumables and Reagents | 4 |
| Custom Oligo Primers                           | 7 |



## List of Provided Components and Consumables

PN 70230

### Box 1 of 4:

#### 250K Celsingle Slides (4 Pack) v2.0

PN 30202

Shipment and Storage Conditions: Room Temperature

|                       | Quantity |
|-----------------------|----------|
| 250K Celsingle Slides | 4        |

### Box 3 of 4:

#### 250K Celsingle 3 Prime Reagents Kit (4 Pack) v2.0

PN 50220

Shipment and Storage Conditions: 4°C

|                                 | Part Number | Quantity |
|---------------------------------|-------------|----------|
| Lysis Premix Buffer             | RA1000062   | 5 mL     |
| Wash Buffer A Premix            | RA1000079   | 50 mL    |
| Wash Buffer B                   | RA1000080   | 25 mL    |
| Wash Buffer C                   | RA1000081   | 10 mL    |
| Wash Buffer D                   | RA1000082   | 20 mL    |
| Wash Buffer E                   | RA1000083   | 5 mL     |
| Wash Buffer F                   | RA1000084   | 10 mL    |
| Bead Binding Premix Buffer      | RA1000085   | 5 mL     |
| Bead Binding Wash Premix Buffer | RA1000086   | 30 mL    |
| Bead Retrieval Buffer           | RA1000087   | 10 mL    |
| Slide Oil                       | RA10000088  | 8 mL     |

### Box 2 of 4:

#### 250K Celsingle 3 Prime Consumables (4 Pack) v2.0

PN 60220

Shipment and Storage Conditions: Room Temperature

|                    | Part Number | Quantity |
|--------------------|-------------|----------|
| Inlet Reservoir    | RA10000173  | 4        |
| Reagents Cartridge | RA1000041   | 4        |
| Bottom Piercers    | RA20000135  | 4        |
| Waste Jar          | RA10000018  | 4        |
| Waste Jar Tubing   | RA10000048  | 4        |

### Box 4 of 4:

#### Celsingle Beads (4 Pack)

PN 40201

Shipment and Storage Conditions: 4°C

|                      | Part Number | Quantity |
|----------------------|-------------|----------|
| Celsingle Beads v1.0 | RA1000090   | 8 Tubes  |

**Note:** Wash Buffer C may form a precipitate when stored at 4°C. If precipitate is noticed, warm to room temperature prior to use, and mix by inverting the bottle several times to re-dissolve.



## Additional Equipment, Consumables and Reagents

The following are additional equipment, consumables and reagents necessary to perform the 250K Celsingle 3 Prime Protocol. Supplier recommendations are provided along with Part Numbers.

### Equipment

| Supplier                                 | Description   | Part Number | ✓ |
|--|---|-------------|---|
| Any Vendor                               | Single-channel pipettes (10 $\mu$ L, 20 $\mu$ L, 200 $\mu$ L, and 1000 $\mu$ L)                 | -           |   |
|  | Filter tips (Low-retention recommended)   | -           |   |
|  | Benchtop Centrifuge (1.5 mL tubes and 15 mL Conical Tube Rotor, Swinging Bucket or Fixed-Angle) | -           |   |
|  | Microcentrifuge (0.2 mL tubes)  | -           |   |
|  | Hemocytometer   | -           |   |
|  | 10X Inverted Microscope *   | -           |   |
|  | Desktop Centrifuge for Plates/Slides  | -           |   |
|  | Thermalcycler PCR Instrument  | -           |   |
|  | Real-Time PCR Instrument  | -           |   |
|  | Magnetic tube rack **   | -           |   |
|  | Vortex  | -           |   |
| Microtube foam Adapter for Vortex Mixers | -   |             |   |
| Thermo Fisher Scientific                 | Qubit Fluorometric Quantitation System  | Q33226      |   |
| Agilent Technologies                     | 2100 Bioanalyzer Instrument   | G2939BA     |   |

\* Recommended: Lionheart LX Automated Microscope (Biotek, Cat. No. LLX)

\*\* Recommended: DynaMag™-2 Magnet (Thermo Fisher Scientific, Cat. No. 12321D)



## Consumables

| Supplier                 | Description  | Part Number   | ✓ |
|--------------------------|--|---------------|---|
| Major Lab Supplier       | Lo-bind 1.5 mL, 15 mL, 50 mL tubes                     | -             |   |
|                          | 0.2 mL PCR tubes/strips with caps                      | -             |   |
|                          | Sterile Disposable Serological Pipettes (5 mL, 10 mL)  | -             |   |
| Thermo Fisher Scientific | MicroAmp 32-well Clear Adhesive Film                   | A32812        |   |
| Sigma-Aldrich            | Ethanol, Pure (100%, 200-proof, Molecular. Bio. Grade) | E7023-500ml   |   |
|                          | Tween-20   | P9416         |   |
| Thermo Fisher Scientific | Trypan Blue Solution                                   | 15250061      |   |
|                          | RNaseZap RNase Decontamination Solution/Wipes          | AM9780/AM9786 |   |
|                          | DNase/RNase-free Ultrapure Distilled Water             | 10977015      |   |
| Beckman Coulter          | Agencourt AMPure XP (5 mL or 60 mL)                    | A63880/A63881 |   |
| Thermo Fisher Scientific | Qubit dsDNA HS Assay Kit                               | Q32851        |   |
| Agilent Technologies     | Agilent High Sensitivity DNA Kit                       | 5067-4626     |   |
| Miltenyi Biotec          | MS Columns   | 130-042-201   |   |



## Reagents

| Supplier                 | Description   | Part Number | ✓ |
|--------------------------|---|-------------|---|
| IDT                      | RT Primer, PCR Primer, Indexing Primer, Sequencing Primer * | Custom      |   |
| Roche                    | Kapa Biosystems HiFi HotStart ReadyMix (2X)                 | KK2601      |   |
|                          | Kapa Library Quantification Kit (Complete kit ABI Prism) ** | 07960204001 |   |
| Lucigen                  | NxGen® RNase Inhibitor                                      | 30281       |   |
| New England BioLabs      | NEBNext Ultra™ II FS DNA Library Prep Kit for Illumina      | E7805       |   |
|                          | NEBNext Multiplex Oligos for Illumina                       | E7335/E7500 |   |
|                          | Exonuclease I (E. coli)                                     | M0293L      |   |
| Thermo Fisher Scientific | SuperScript IV (includes buffer and DTT)                    | 18090050    |   |
|                          | SUPERase• In™ RNase Inhibitor                               | AM2696      |   |
|                          | dNTP Mix (10 mM each)                                       | R0192       |   |
| Miltenyi Biotec          | Dead Cell Removal Kit                                       | 130-090-101 |   |

\* See table on next page for sequences.

\*\* Kit configuration will depend on specific Real-Time PCR instrument to be used.



## Custom Oligo Sequences

| Oligo Name        | Oligo Sequence   | Length   | Synthesis Scale |
|-------------------|--|----------|-----------------|
| RT Primer         | 5'-AAG CAG TGG TAT CAA CGC AGA GTG AAT rGrGrG-3'   | 30 bases | 100 nmole       |
| PCR Primer        | 5'-AAG CAG TGG TAT CAA CGC AGA GT - 3'   | 23 bases | 25 nmole        |
| Indexing Primer   | 5'-AAT GAT ACG GCG ACC ACC GAG ATC TAC ACG CCT GTC CGC GGA AGC<br>AGT GGT ATC AAC GCA GAG T*A*C-3' | 66 bases | 100 nmole       |
| Sequencing Primer | 5' - GCC TGT CCG CGG AAG CAG TGG TAT CAA CGC AGA GTA C - 3   | 37 bases | 25 nmole        |

**Note 1:** \* Corresponds to phosphorothioate modification.

**Note 2:** Primers should be reconstituted and diluted to a working concentration of 100  $\mu$ M in ultrapure water.

Signature

Date

---

---



**250K Celsing 3 Prime  
Site Checklist  
Advantage Program**

DOC010 R3  
23 July 2019



100 Phoenix Drive - Suite 321  
Ann Arbor, MI 48108

Tel 866.748.1448  
techsupport@celsee.com

[www.celsee.com](http://www.celsee.com)

**For research use only. Not for use in diagnostic procedures.**

**LEGAL NOTICE**

This document and its contents are proprietary to Celsee®, Inc. and its affiliates ("Celsee Europe"), and are intended solely for the contractual use of its customer in connection with the use of the product(s) described herein and for no other purpose. This document and its contents shall not be used or distributed for any other purpose and/or otherwise communicated, disclosed, or reproduced in any way whatsoever without the prior written consent of Celsee. Celsee does not convey any license under its patent, trademark, copyright, or common-law rights nor similar rights of any third parties by this document.

The instructions in this document must be strictly and explicitly followed by qualified and properly trained personnel in order to ensure the proper and safe use of the product(s) described herein. All of the contents of this document must be fully read and understood prior to using such product(s).

FAILURE TO COMPLETELY READ AND EXPLICITLY FOLLOW ALL OF THE INSTRUCTIONS CONTAINED HEREIN MAY RESULT IN DAMAGE TO THE PRODUCT(S), INJURY TO PERSONS, INCLUDING TO USERS OR OTHERS, AND DAMAGE TO OTHER PROPERTY.

CELSEE DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE IMPROPER USE OF THE PRODUCT(S) DESCRIBED HEREIN (INCLUDING PARTS THEREOF OR SOFTWARE).