



100K Celsingle 3 Prime v2.0 Site Checklist

PN 70220



100K Celsingle Advantage Program 3 Prime v2.0 Site Checklist

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

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List of Provided Components and Consumables

PN 70220

Box 1 of 4:

100K Celsingle Slides (4 Pack)

v2.0

PN 30201

Shipment and Storage Conditions: Room Temperature.

	Quantity
100K Celsingle Slides	4

Box 3 of 4:

100K 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	RA1000088	8 mL

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.

Box 2 of 4:

100K 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	4 Tubes



Additional Equipment, Consumables and Reagents

The following are additional equipment, consumables and reagents necessary to perform the 100K Celsingle 3 Prime Protocol. Supplier recommendations are provided along with Part Numbers.

Equipment

Supplier	Description	Part Number	✓
Any Vendor	Single-channel pipettes (10 μ L, 20 μ L, 200 μ L, and 1000 μ 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	
ATCC	K-562 Cell Line	ATCC CCL24	

* 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 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 μ M in ultrapure water.

Signature

Date



**100K Celsing 3 Prime
Site Checklist
Advantage Program**

DOC024 R3
23 July 2019



100 Phoenix Drive - Suite 321
Ann Arbor, MI 48108

Tel 866.748.1448
techsupport@celsee.com

www.celsee.com

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