

## Consumables &amp; Equipment List

## Consumables

Consumable	Supplier
10 µl pipette tips	General lab supplier
10 µl multichannel pipettes	General lab supplier
10 µl single channel pipettes	General lab supplier
20 µl pipette tips	General lab supplier
20 µl multichannel pipettes	General lab supplier
20 µl single channel pipettes	General lab supplier
200 µl pipette tips	General lab supplier
200 µl multichannel pipettes	General lab supplier
200 µl single channel pipettes	General lab supplier
1000 µl pipette tips	General lab supplier
1000 µl single channel pipettes	General lab supplier
96-well 0.8 ml Polypropylene Deepwell Storage (MIDI plate)	Thermo Fisher Scientific, catalog # AB-0859
Hard-Shell 96-well PCR plates	Bio-Rad, catalog # HSP-9601
1.7 ml microcentrifuge tubes	General lab supplier
Microseal 'B' adhesive seals	Bio-Rad, catalog # MSB-1001
Microseal 'F' foil seals	Bio-Rad, catalog # MSF-1001
RNase/DNase-free multichannel reagent reservoirs, disposable	VWR, catalog # 89094-658
Ethanol 200 proof (absolute) for molecular biology (500 ml)	Sigma-Aldrich, product # E7023
Nuclease-free water	General lab supplier

Consumable	Supplier
Qubit dsDNA HS Assay Kit	One of the following, depending on quantification method: <ul style="list-style-type: none"> <li>• Thermo Fisher Scientific, catalog # Q32851</li> <li>• Thermo Fisher Scientific, catalog # Q32854</li> </ul>
Quant-iT™ PicoGreen® dsDNA Assay Kit	ThermoFisher Scientific, catalog # P11496
Qubit Assay Tubes	ThermoFisher Scientific, catalog # Q32856
One of the following kits, depending on quantification method: <ul style="list-style-type: none"> <li>• [Fragment Analyzer] High Sensitivity NGS Fragment Analysis Kit</li> <li>• [Bioanalyzer] Agilent High Sensitivity DNA Kit</li> </ul>	One of the following suppliers, depending on instrument: <ul style="list-style-type: none"> <li>• Advanced Analytical, catalog # DNF-474</li> <li>• Agilent, catalog # 5067-4626</li> </ul>

## Consumables for Blood and Saliva Input

Consumable	Supplier
[Blood] Illumina Illumina Purification Beads (IPB), 100 ml	Illumina, catalog # 20060057
[Blood] Illumina Illumina Purification Beads (IPB), 400 ml	Illumina, catalog # 20060058
[Blood] Flex Lysis Reagent Kit	Illumina, catalog # 20015884
[Blood] EDTA Blood Collection tubes	Becton Dickinson
[Saliva] Oragene DNA Collection Kit for Saliva	Genotek, catalog # OGR-500 or OGD-510

## Equipment

Equipment	Supplier
Magnetic Stand-96	Thermo Fisher Scientific, catalog # AM10027
Microplate centrifuge	General lab supplier
Microcentrifuge	General lab supplier
Vortexer	General lab supplier

Equipment	Supplier
Qubit® Fluorometer 3.0	Thermo Fisher Scientific, catalog # Q33216, Q33217 or Q33218
One of the following analyzers: Advanced Analytical: <ul style="list-style-type: none"> <li>Fragment Analyzer™</li> </ul> Agilent Technologies: <ul style="list-style-type: none"> <li>2100 Bioanalyzer Desktop System</li> </ul>	Advanced Analytical: <ul style="list-style-type: none"> <li>Refer to web product pages for catalog numbers</li> </ul> Agilent Technologies: <ul style="list-style-type: none"> <li>Part # G2940CA</li> </ul>
[Saliva] Water bath or air incubator reaching 50°C	As recommended by DNA Genotek, see product pages.

Thermal Cyclers

Thermal Cycler	Temp Mode	Lid Temp	Vessel Type
Bio-Rad C-1000 Touch thermal cycler	Calculated	Heated	Plate
Bio-Rad DNA Engine Tetrad 2	Calculated	Heated	Polypropylene plates and tubes
MJ Research DNA Engine Tetrad	Calculated	Heated	Plate
Eppendorf Mastercycler Pro S	Gradient S, Simulated Tube	Heated	Plate

# Kit Contents

Completing the Illumina DNA Prep protocol requires library prep reagents and index adapters. The number of index adapters required depends on the number of samples to be uniquely indexed for your experiment. Depending on the sample input type and sequencing requirements, the protocol might require additional, optional consumables.

Component	Kit Options	Catalog #
Library prep reagents	Illumina DNA Prep, (M) Tagmentation (24 Samples, IPB)	20060060
	Illumina DNA Prep, (M) Tagmentation (96 Samples, IPB)	20060059
Index adapters <sup>1</sup>	IDT for Illumina Nextera DNA UD Indexes Set A (96 Indexes, 96 Samples)	20027213
	IDT for Illumina Nextera DNA UD Indexes- Set B (96 Indexes, 96 Samples)	20027214
	IDT for Illumina Nextera DNA UD Indexes- Set C (96 Indexes, 96 Samples)	20027215
	IDT for Illumina Nextera DNA UD Indexes- Set D (96 Indexes, 96 Samples)	20027216
	Nextera DNA CD Indexes (96 Indexes, 96 Samples)	20018708
[Optional] Blood Lysis <sup>2</sup>	Flex Lysis Reagent Kit (96 samples)	20018706
[Optional] Additional Accessories for Nextera DNA CD Indexes (24 Samples)	Bag of 48 Index Adapter replacement caps, orange	15026585
	Bag of 32 Index Adapter replacement caps, white	15026586

<sup>1</sup> Index kits are not interchangeable with Nextera XT index kits.

<sup>2</sup> Required when starting the protocol from fresh whole blood samples.

## Index Kit Contents

For index adapter sequences, see *Illumina Adapter Sequences* (document # 1000000002694).

**Nextera DNA CD Indexes (24 Indexes, 24 Samples) Tubes, Store at -25°C to -15°C**

Quantity	Index Name	Description
1	H503	DNA Adapter
1	H505	DNA Adapter
1	H506	DNA Adapter
1	H517	DNA Adapter
1	H710	DNA Adapter
1	H705	DNA Adapter
1	H706	DNA Adapter
1	H707	DNA Adapter
1	H711	DNA Adapter
1	H714	DNA Adapter

**IDT for Illumina DNA/RNA UD Indexes, IDT for Illumina Nextera DNA UD Indexes, or Nextera DNA CD Indexes (96 Indexes, 96 Samples) Plates, Store at -25°C to -15°C**

Quantity	Description
1	96 Dual Adapter Index Plate

## Flex Lysis Reagent Kit (Optional)

These reagents are shipped at -25°C to -15°C. Promptly store reagents at the indicated tube temperature to ensure proper performance.

Quantity	Acronym	Description	Storage Temperature
4	BLB	Blood Lysis Buffer	15°C to 30°C
4	PK1	Proteinase K	-25°C to -15°C

Illumina Purification Beads (IPB) are included in the Illumina DNA Prep 24 sample and 96 sample kits.

# Signatures

---

FAS/FSE	Customer
---------	----------

---