

AVENIO Edge System

Ordering guide

The ordering guide is intended to aid Roche customers in the ordering process. Please order the probes or panels separately.

The AVENIO Edge System is able to perform a variety of tasks. The word “run” on the AVENIO Edge System refers to two capabilities:

1. A full end-to-end workflow for library prep and target enrichment. This may include input control, quantification and post-capture pooling. This will often consist of multiple protocols executed sequentially on the AVENIO Edge System, with user touch points at the start and finish of each protocol.
2. The end-to-end execution of a single protocol, with two user touch points for the beginning (loading) and end (unloading) of the protocol.

Depending on the number of quantifications used on each sample throughout the workflow (up to three per workflow), the second definition of “run” shall apply.

Reagent consumables list

AVENIO Edge System reagents are fully barcoded, ready-to-use and modular to enable a variety of workflows on the AVENIO Edge System. The reagent kits contain barcoded reagent mini racks, primer plates (96 well plates), troughs and/or tubes depending on the reagent volume, storage or other parameters. Each reagent kit contains enough reagents for **three** runs. The user is able to run a variety of protocols on the AVENIO Edge System. The protocols automate a variety of workflow step tasks from sample input control, library preparation, target enrichment, quantification, normalization and pooling and more, all on deck. AVENIO Edge System reagents' modularized design empowers you to start and stop at your desired step in the workflow with an ability to select your desired batch sizes from 1-48 samples (in 8 samples per batch multiples). Your reagent consumption varies per number of protocols used per sample. Two examples are the Quantification and Solution A kits. Consult your Roche representative for more details.

Material ID Number	Name of the Reagent	Maximum Reactions Per Run**	Maximum Reactions Per Kit	Shipping Category	Storage
09200851001	AVENIO Edge Quantification Kit***	up to 48	144	>0°C and ≤+35°C	RF
09200860001	AVENIO Edge DNA HyperPlus Kit	8	24	>-20°C and ≤+25°C	FZ
09200878001	AVENIO Edge DNA HyperPlus Kit	24	72	>-20°C and ≤+25°C	FZ
09200886001	AVENIO Edge DNA HyperPrep Kit	8	24	>-20°C and ≤+25°C	FZ
09200894001	AVENIO Edge DNA HyperPrep Kit	24	72	>-20°C and ≤+25°C	FZ
09200908001	AVENIO Edge Target Enrichment, A	8	24	>-20°C and ≤+25°C	FZ
09200916001	AVENIO Edge Target Enrichment, A	24	72	>-20°C and ≤+25°C	FZ
09200924001	AVENIO Edge Target Enrichment, B	24	72	>0°C and ≤+25°C	RF
09200959001	AVENIO Edge UDI Primer Mixes	1-96*	96*	>0°C and ≤+25°C	RF
09200967001	AVENIO Edge HyperPure Beads***	up to 48	144	>0°C and ≤+25°C	RF
09200975001	AVENIO Edge HyperPlex UMI Adapter	8	24	<-15°C & with dry ice	FZ
09200983001	AVENIO Edge HyperPlex UMI Adapter	24	72	<-15°C & with dry ice	FZ
09200991001	AVENIO Edge HyperPlex Adapters	8	24	<-15°C & with dry ice	FZ
09201009001	AVENIO Edge HyperPlex Adapters	24	72	<-15°C & with dry ice	FZ
09314512001	AVENIO Edge Solution A***	up to 48	288	>0°C and ≤+35°C	RF

*Reagent roll-over, covers four 24 reaction run or twelve 8 reaction runs

**Reactions and samples are used interchangeably

***Each kit is designed to run three runs of 1-48 sample per batch/run. There is no reagent roll-over for unused reagents

Plastic consumable list*

Material ID Number	Name of the Reagent	Units Per Box	Per Bag
09336354001	AVENIO Edge Pipette Tip, 1000 µL	2304	96x24
09336346001	AVENIO Edge Pipette Tip, 200 µL	2304	96x24
09336320001	AVENIO Edge Pipette Tip, 50 µL	2304	96x24
09056351001	AVENIO Edge Tip Park	16	n/a
0899460900	AVENIO Edge Processing Plate	50	10
09031022001	AVENIO Edge Processing Plate Lid	50	10
09031049001	AVENIO Edge Liquid Waste Plate	60	5
09030956001	AVENIO Edge Quantification Plate	40	10
09164081001	AVENIO Edge Tube, Panel 1	100	10
09164090001	AVENIO Edge Tube, Panel 2	100	10
09164103001	AVENIO Edge Tube, Panel 3	100	10
09164111001	AVENIO Edge Tube, Panel 4	100	10
09313630001	AVENIO Edge Pooling Tube	100	10

*Plastic consumables usage varies per workflow. Consult your application specialist.

Instrument and software

Material ID Number	Label Name	Details/GTIN
09283234001	AVENIO Edge instrument	2304
08153299001	FortiGate 50E Firewall (for firewall)*	Optional
07269234001	cobas ® Link 2 Data station (for remote access) – EU version*	Optional
05440203005	cobas ® Link 2 Data station (for remote access) – US version*	Optional
09424962001	AVENIO Designer Software	Required for open channel flexibility

*FortiGate firewall and **cobas**® Link 2 enable the LIS connection, increase cybersecurity and enable remote troubleshooting. Roche service offering may cover these items. Check your local service package offering.



Virtual reagent kits

The virtual kits provide you with all the reagent kits required to run 1-3 runs of end-to-end library preparation, target enrichment and quantification on deck. The virtual kits assume one quantification step per run. Should you decide to quantify your samples prior to library preparation and/or quantify your samples before pooling, you may have to order additional reagent kits separately.

Kit 1 (8 samples x 3 runs):

09496386001 AVENIO Edge HyperPrep with UMI, 8rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200886001	AVENIO Edge HyperPrep Kit
9200908001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9200975001	AVENIO Edge HyperPlex UMI Adapters
9314512001	AVENIO Edge Solution A

Kit 2 (8 samples x 3 runs):

09496394001 AVENIO Edge HyperPrep without UMI, 8rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200886001	AVENIO Edge HyperPrep Kit
9200908001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9200991001	AVENIO Edge HyperPlex Adapters
9314512001	AVENIO Edge Solution A

Kit 3 (8 samples x 3 runs):

09496408001 AVENIO Edge HyperPlus with UMI, 8rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200860001	AVENIO Edge DNA HyperPlus Kit
9200908001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9200975001	AVENIO Edge HyperPlex UMI Adapters
9314512001	AVENIO Edge Solution A

Kit 4 (8 samples x 3 runs):

09496416001 AVENIO Edge HyperPlus without UMI, 8rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200860001	AVENIO Edge DNA HyperPlus Kit
9200908001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9200991001	AVENIO Edge HyperPlex Adapters
9314512001	AVENIO Edge Solution A

Kit 5 (24 samples x 3 runs):

09496424001 AVENIO Edge HyperPrep with UMI, 24rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200894001	AVENIO Edge DNA HyperPrep Kit
9200916001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9200983001	AVENIO Edge HyperPlex UMI Adapter
9314512001	AVENIO Edge Solution A

Kit 6 (24 samples x 3 runs):

09496432001 AVENIO Edge HyperPrep without UMI, 24rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200894001	AVENIO Edge DNA HyperPrep Kit
9200916001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9201009001	AVENIO Edge HyperPlex Adapter
9314512001	AVENIO Edge Solution A

Kit 7 (24 samples x 3 runs):

09496459001 AVENIO Edge HyperPlus with UMI, 24rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200878001	AVENIO Edge DNA HyperPlus Kit
9200916001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9200983001	AVENIO Edge HyperPlex UMI Adapter
9314512001	AVENIO Edge Solution A

Kit 8 (24 samples x 3 runs):

09496467001 AVENIO Edge HyperPlus without UMI, 24rxn LP+TE

Material ID Number	Name of the Reagent
9200851001	AVENIO Edge Quantification Kit
9200878001	AVENIO Edge DNA HyperPlus Kit
9200916001	AVENIO Edge Target Enrichment, A
9200924001	AVENIO Edge Target Enrichment B
9200959001	AVENIO Edge UDI Primer Mixes
9200967001	AVENIO Edge HyperPure Beads
9201009001	AVENIO Edge HyperPlex Adapter
9314512001	AVENIO Edge Solution A

Contact us at sequencing.roche.com today

Published by:

The AVENIO Edge instrument can be used for Research Use Only (RUO) workflows. These workflows are not for use in diagnostic procedures.

All AVENIO Edge reagents, kits and consumables listed are for Research Use Only. Not for use in diagnostic procedures.

AVENIO Connect Software is in development. The software is for Research Use Only (RUO).

User-defined protocols created using AVENIO Designer Software are for Research Use Only workflows, not for use in diagnostic procedures.

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