



QuantSeq with Lexogen's 12 nt UDI and UDI Add-on kits - improved V2 is out!

Get the utmost quality out of our well-established QuantSeq 3' mRNA-Seq gene expression kits, thanks to the improved V2 series! With the increasing reading capacity of next-generation sequencers, Lexogen's patented 12 nt long Unique Dual Indices will help you preserve most of your precious reads.

The UDI V2 Add-on kits can also be used on existing QuantSeq FWD (015) or REV (016) kits, or to amplify libraries generated from other vendors' kits.

With the V2 launch, our kits will provide improved robustness and consistent data quality.



Drastically save on sequencing costs - less reads needed per sample

QuantSeq unique technology allows for 5 to 10 times fewer reads per sample, therefore helping you generate the most data out of your budget.



Fast and simple protocol - only 4.5 hours total

No more need for long days or overnight protocols. Your library is ready for sequencing right after your lunchtime!



Any sample, any input

Is your sample degraded, does it have a low RIN or DV₂₀₀?
Not a problem for QuantSeq!
Our V2 will provide the robustness needed even for your most challenging samples.



Data analysis simplified

Less reads needed, less complexity.
With QuantSeq, data analysis is fast, easy, and cost-effective.

Directly switch from QuantSeq V1 to new V2 kits

At Lexogen, we made sure that you can seamlessly switch from QuantSeq V1 with UDI kits to the new, improved V2 series. There will be no change in gene expression profiling data.

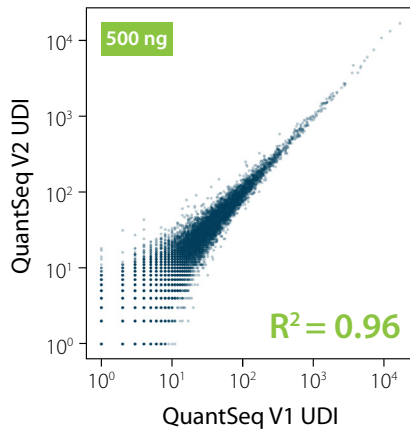


Figure 1 | Correlation plot obtained with 500 ng of UHRR + SIRV-Set 3 control, comparing QuantSeq V1 with UDI (x axis) and the new QuantSeq V2 with UDI (y axis).

FFPE and fresh frozen samples provide similar gene counts and correlations

Whether your sample is coming from fresh frozen material, freshly prepared FFPE, or even archived FFPE, our QuantSeq V2 with UDI library prep kit will show consistent overlap between the data.

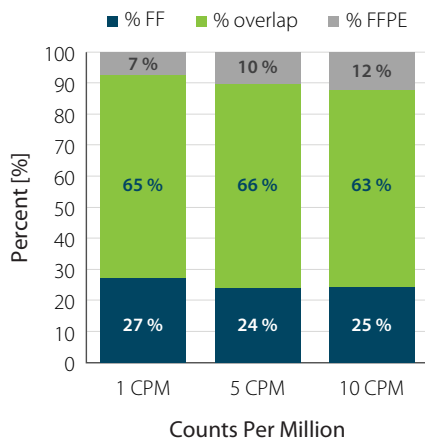


Figure 2 | Sequencing data obtained with 10 ng input from two different mouse spleen samples, 1 M reads, data shown for 1 CPM, 5 CPM, and 10 CPM (from left to right).

RIN values: 3.7 (FF) and 2.9 (FFPE)
 DV₂₀₀ values: 90 % (FF) and 9 % (FFPE)

Ordering Information

Cat. №	Product Name
Full library preparation kits	
191.24 and 192.24	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A1 (191) and Set B1 (192), 24 preps
191.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A1 , 96 preps
192.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set B1 , 96 preps
193.384	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Sets A1 to A4 , 384 preps
194.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A2 , 96 preps
195.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A3 , 96 preps
196.96	QuantSeq 3' mRNA-Seq V2 Library Prep Kit FWD with UDI 12 nt Set A4 , 96 preps
UDI Add-on kits (UDI plate and library amplification module)	
198.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit, Set A1 , 96 preps
199.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit, Set A2 , 96 preps
200.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit, Set A3 , 96 preps
201.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit, Set A4 , 96 preps
202.96	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit, Set B1 , 96 preps
203.384	Lexogen UDI 12 nt Unique Dual Indexing V2 Add-on Kit, Sets A1 to A4 , 384 preps

V2 brings you more robustness against potential overcycling unwanted effects

The full library preparation kit, as well as the Add-on UDI V2 kits, include an improved amplification module that ensures better resistance to overcycling effects.

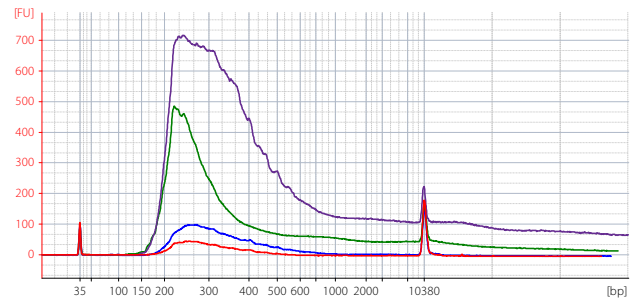


Figure 3 | Agilent Bioanalyzer traces of four libraries amplified with QuantSeq V1 with UDI or V2 with UDI kits, 100 ng input. Red: V1, blue: V2, green: V1 + 6 cycles, violet: V2 + 6 cycles. The V2 technology prevents library shortening, even with substantial overcycling.

Different UDI sets for all your needs

Our scientists have carefully designed five different patented 12 nt UDI sets: A1, A2, A3, and A4; each containing 96 different UDI combinations. Set B1 corresponds to Set A1, but with i5 sequences in the reverse complement direction (to accommodate for different Illumina chemistries). Please consult with us if you need help to choose the right UDI set - or for even more designs.

Why is design important? See below how many more reads you can rescue thanks to our UDI (in combination with the [iDemux](#) command line)!

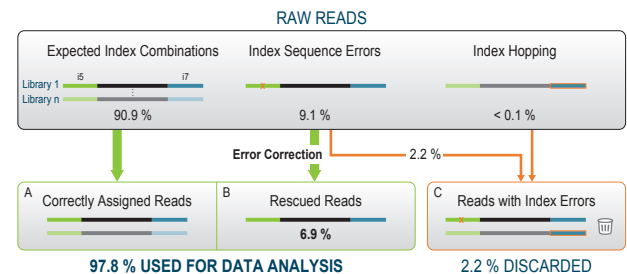


Figure 4 | Lexogen's 12 nt design allows rescuing the majority of undetermined reads thanks to superior error correction features, thereby saving precious data (based on 96 pooled libraries; Illumina NextSeq500 run).

For optimal demultiplexing and read rescue, we recommend Lexogen's [iDemux](#) command line.

For more information and additional resources, please visit our website.

