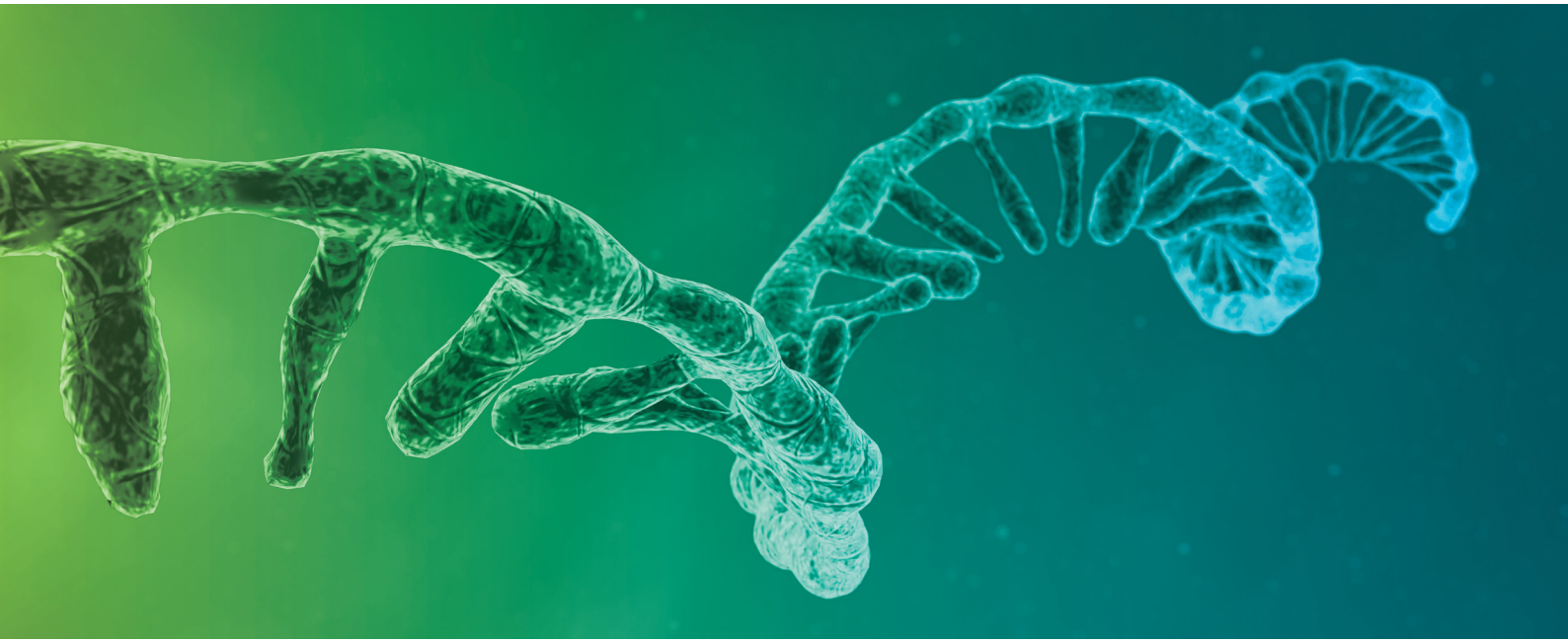
LEXOGEN
The RNA Experts



All-in-one and one for all!

Get the best sequencing results for all sample types and qualities with CORALL RNA-Seq V2 – Lexogen's fast and flexible whole transcriptome RNA-Seq Library Prep Kit.

NEW! Enhance your whole transcriptome sequencing (WTS) workflow and cost-effectiveness by generating the optimal insert size required for your application! Two distinct library generation chemistries allow fragmentation bias-free library generation and size selection.

NEW! Fragmentation-free insert size adjustment.

Standard library size (~ 350 bp) provides a perfect fit for gene expression analysis. Long library size (~ 550 bp) is the ideal choice for demanding applications such as alternative splicing, isoform analysis, and fusion detection.

Ideal for challenging samples, degraded RNA, and FFPE material.

The robust and fragmentation-free protocol with built-in UMIs make this kit the ideal choice for library perparation from all sample types and RNA qualities.

Excellent performance on low input RNA.

CORALL's flexible input range (1 ng - 1000 ng) is the perfect fit for processing precious samples with limiting material. The sensitive protocol delivers reproducible, high-quality data from as low as 1 ng input RNA.

Fast, flexible, and fragmentation-free library prep in just 4.5 hours.

CORALL RNA-Seq V2 only requires 6 steps, saving valuable time and allowing the preparation of sequencing-ready-libraries in a single day.

Fast and flexible library prep in only 4.5 hours

In contrast to conventional WTS RNA-Seq, CORALL library preparation requires only 6 steps and can be completed in 4.5 hours (Fig. 1). CORALL does not require RNA fragmentation and is thus perfectly suited for processing of degraded or FFPE RNA.

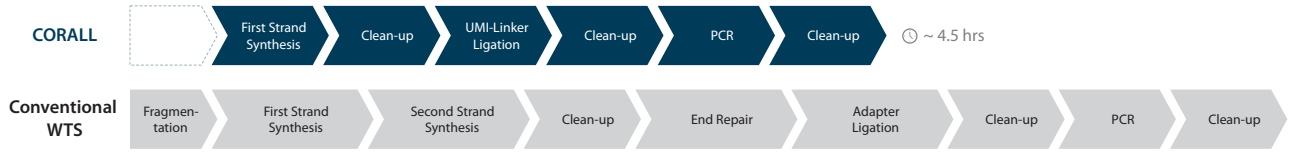


Figure 1 | Comparison of CORALL and conventional WTS RNA-Seq library preparation workflows.

Excellent performance on low input RNA

The complete CORALL RNA-Seq V2 workflow is highly reproducible (Fig. 2) and delivers high-quality RNA-Seq data even for low input samples down to 1 ng total RNA (prior to poly(A) selection or ribo-depletion).

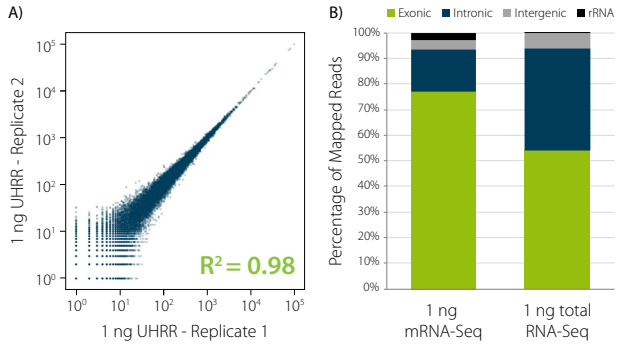


Figure 2 | Exceptional performance on low input RNA. A) Excellent correlation for replicates of 1 ng Universal Human Reference RNA (UHRR) processed with CORALL mRNA-Seq V2. B) Read distribution for 1 ng input RNA for CORALL mRNA-Seq V2 and CORALL Total RNA-Seq V2 with RiboCop rRNA depletion.

Wide input range and exceptional sensitivity

CORALL mRNA-Seq V2 displays exceptional gene discovery rates across the widest input range and is highly sensitive even for input as low as 1 ng total RNA prior to mRNA enrichment (Fig. 3).

Exceptional performance on FFPE samples

CORALL Total RNA-Seq V2 with RiboCop rRNA depletion is ideal for processing degraded and compromised samples, including FFPE material (Fig. 4).

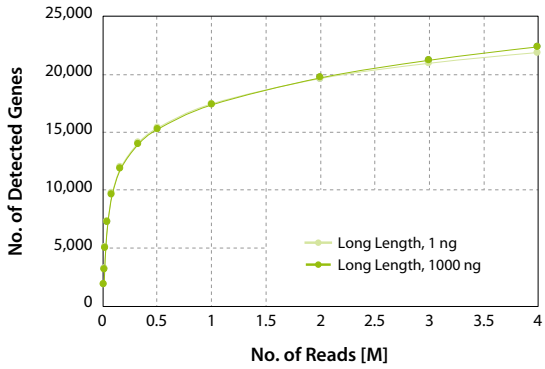


Figure 3 | Gene discovery rates. CORALL mRNA-Seq libraries with long inserts were preprared from 1000 ng and 1 ng UHRR . The number of detected genes was plotted against the total number of uniquely mapping exonic reads.

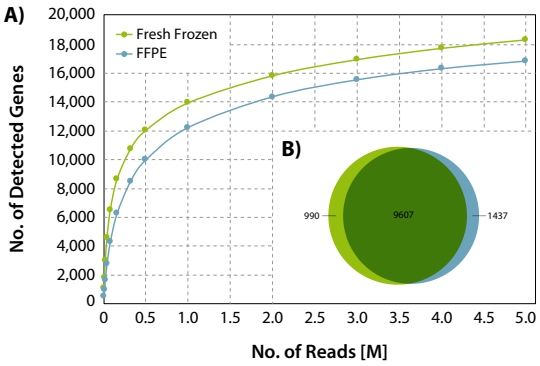


Figure 4 | Gene discovery rates for fresh frozen (FF) and FFPE derived human liver RNA. A) Gene detection rates. The number of detected genes is plotted against the total number of reads mapping uniquely to exons. B) Overlap of detected genes at normalized expression levels >5 CPM (for uniquely mapping reads).

CORALL RNA-Seq V2

Lexogen's fast and flexible library prep kit with exceptional performance for challenging samples.

- **NEW!** CORALL RNA-Seq V2 enables preparation of longer libraries for isoform and fusion detection, alternative and splicing and more.
- The fragmentation-free protocol complete with RiboCop rRNA depletion is the ideal choice for degraded and FFPE RNA.
- CORALL's time-saving and easy workflow enables processing from sample to sequencing-ready library in less than one day.
- CORALL RNA-Seq V2 supports the widest input range (1 ng - 1000 ng) with excellent sensitivity for low input RNA.

Type d'indexage	Référence	Désignation	Conditionnement
Kits Total RNA / "Unique Dual Indexing "	LEX171.24	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A1, (UDI12A_0001-0024)	24 rxns
	LEX171.96	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A1, (UDI12A_0001-0096)	96 rxns
	LEX172.96	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A2, (UDI12A_0097-0192)	96 rxns
	LEX173.96	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A3, (UDI12A_0193-0288)	96 rxns
	LEX174.96	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A4, (UDI12A_0289-0384)	96 rxns
	LEX175.24	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Set B1, (UDI12B_0001-0024)	24 rxns
	LEX175.96	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Set B1, (UDI12B_0001-0096)	96 preps
	LEX176.384	CORALL RNA-Seq V2 Library Prep Kit with UDI 12 nt Sets A1-A4 (UDI12A_0001-0384)	384 preps
Kits Total RNA / "Unique Dual Indexing " / Ribodéplétion incluse*	LEX183.24	RiboCop (HMR) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A1, (UDI12A_0001-0024)	24 rxns
	LEX183.96	RiboCop (HMR) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A1, (UDI12A_0001-0096)	96 rxns
	LEX184.24	RiboCop (HMR) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set B1, (UDI12B_0001-0024)	24 rxns
	LEX184.96	RiboCop (HMR) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set B1, (UDI12B_0001-0096)	96 rxns
	LEX185.24	RiboCop (HMR+Globin) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A1, (UDI12A_0001-0024)	24 rxns
	LEX185.96	RiboCop (HMR+Globin) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set A1, (UDI12A_0001-0096)	96 rxns
	LEX186.24	RiboCop (HMR+Globin) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set B1, (UDI12B_0001-0024)	24 rxns
	LEX186.96	RiboCop (HMR+Globin) and CORALL Total RNA-Seq V2 Library Prep Kit with UDI 12 nt Set B1, (UDI12B_0001-0096)	96 rxns
Kits mRNA incluant la purification des ARN polyA / "Unique Dual Indexing "	LEX177.96	CORALL mRNA-Seq V2 Library Prep Kit with UDI 12 nt Set A1, (UDI12A_0001-0096), 96 preps	96 preps
	LEX178.96	CORALL mRNA-Seq V2 Library Prep Kit with UDI 12 nt Set A2, (UDI12A_0097-0192), 96 preps	96 preps
	LEX179.96	CORALL mRNA-Seq V2 Library Prep Kit with UDI 12 nt Set A3, (UDI12A_0193-0288), 96 preps	96 preps
	LEX180.96	CORALL mRNA-Seq V2 Library Prep Kit with UDI 12 nt Set A4, (UDI12A_0289-0384), 96 preps	96 preps
	LEX181.96	CORALL mRNA-Seq V2 Library Prep Kit with UDI 12 nt Set B1, (UDI12B_0001-0096), 96 preps	96 preps
	LEX182.384	CORALL mRNA-Seq V2 Library Prep Kit with UDI 12 nt Sets A1-A4 (UDI12A_0001-0384), 384 preps	384 preps
Produits complémentaires	**Référence**	**Désignation**	**Conditionnement**
Détermination du nombre de cycles PCR à effectuer lors de la préparation de banques	LEX020.96	PCR Add-on Kit for Illumina	96 rxns
Analyse bio-informatique des résultats	LEX106.24	CORALL Data Analysis on BlueBee® Genomics Platform	24 runs

** kits incluant la ribodéplétion HRM (Humain, Souris et Rat) et la déplétion de l'ARNm de la globine.*
Les kits RiboCop HMR, ainsi que des kits pour la déplétion des ARNr bactériens sont disponibles séparément.

Liste complète des produits CORALL et RiboCop

Nous contacter

OZYME
Des femmes et des hommes au service de vos recherches

Service client - commande : commande@ozyme.fr
Service technique :
Réactifs : 01 34 60 60 24 - tech@ozyme.fr
Instrumentation : 01 30 85 92 88 - instrum@ozyme.fr