

In Vitro protocol in brief test LymphoSign

Reagents:

Kit M-MLV RT dNTPs (10mM) Hexamers (100µM) ARN to be tested

1. Reverse transcription

Steps :



Then proceed to step 2 or store cDNA products between -30°C et -15°C.

<u>Reagents</u>: SALSA MLPA Buffer **GEP- LSPM** probe Mix

2. Hybridization of probes

Thaw reagents		
Prepare Hybridization mix		
Salsa MLPA Buffer	(1,5 μL)	
GEP-LSPM Probe Mix	(1,5 μL)	
Vortex and centrifuge		
Deliver 3 μL of mix per cDNA tubes		
Centrifuge		
Put samples in thermocycler and start program 1 step		
2		



3. Ligation

Thaw reagents
Prepare ligation mix Nuclease free water Calsa Ligase Buffer A (3 μL)
 Salsa Ligase Buffer B (3 μL) Vortex and centrifuge
 Salsa Ligase 65 (1 μL) After 1h of hybridization, deliver 32 μL of mix per cDNA tubes Start program 1 étape 3



Reagents:

Then proceed directly to step 4 or store the ligation products between -30°C and -15°C.



After this step, do not store the products at high temperature (e.g. 4°C or at room temperature) in order to avoid non-specific ligations which could result from a residual activity of the enzyme.

4. Amplification and incorporation of barcodes and adaptators

Reagents:	Thaw the reagents	
GEP-BC-xxx	Prepare PCR mix	
Barcodes	\circ Q5 MasterMix (12,5 μ L)	
Q5 MasterMix	\circ Nuclease free water (5,5 µL)	
Nuclease free	Vortex and centrifuge	
water	Deliver 18 μ L of mix per wells of PCR plate	
	Add 5 μL of ligation product in each well Add 2 μL of barcode (GEP-BC-xxx) in each well	
	Use different barcodes BEP-BC-xxx for each tested samples.	



Put samples in thermocycler and start program 2



Then proceed directly to step 5 or store the PCR products between -30°C and-15°C.

Do not store these products for prolonged periods at high temperature (e.g. 4°C in the thermocycler or at room temperature).



5. Purification et dosage sequencing librairies

Reagents:

100% Ethanol Nuclease free water AMPure XP Magnetic beads TE Buffer Qubit dsDNA HS Assay



Ensure beads are complety re-suspended before use.

Purify 25 μ L products with 45 μ L AMPure XP Elute PCR products in 50 μ L of TE buffer



After purification, librairies can be stored between -30°C et -15°C before sequencing.

Dose 10 μL of each library by fluorimetry



This rapid protocol completes the notice. It does not dispense with complete reading of the notice.