

# CRITERIOS DE SQC (2025-02-19) - HOJA LRS

## LRS-SQC Criteria

PLATFORM	SORT	LIB TYPE	LIB KIT	CONC. (ng/ul)	VOL. (ul)	TOTAL AMT. (ug)	AVG. SIZE (bp)	Purity	ETC	Unnamed: 10	Unnamed: 11
Revio	SQC_DNA	Long Read Library	[3.0] PacBio Microbial Library	0.0	0.0	3.1	15,000				
	SQC_DNA	Long Read Library	[3.0] PacBio HiFi Library	0.0	0.0	7.1	30,000	260/280: 1.8~2.0 and 260/230: >2.0			
	SQC_DNA	Long Read Library	[3.0] PacBio Amplicon Library	0.0	0.0	0.5	0		AAV: Total >1ug		
	SQC_DNA	Long Read Library	[3.0] PacBio 16s full-length Library	0.1	0.0	0.0	0				
	SQC_DNA	Long Read Library	[3.0] PacBio MetaShotgun Library	0.0	0.0	4.1	12000.0				
	SQC_DNA	Long Read Library	[3.0] PacBio HLA Library	15.0	0.0	0.1	0.0		Conc > 15ng/ul		
	SQC_DNA	Long Read Library	16s full-length amplicon library	0.1	0.0	0.0	0.0		Conc > 0.1ng/ul		
PLATFORM(*)	SORT(*)	LIB TYPE(*)	LIB KIT(*)	TYPE(*)	CONC\n(ng/ul)(*)	VOL\n(ul)(*)	TOTAL AMT\n(ug)(*)	RIN(*)	rRNA RATIO(*)	DV200\n(%)(*)	VIABILITY\n(%)(*)
Revio	SQC_RNA	Long Read Library	[3.0] PacBio Iso-Seq Library	Total RNA	0.0	0.0	0.3	7.0	0.0	0.0	0.0
	SQC_RNA	Long Read Library	[3.0] PacBio Kinnex full-length RNA Library	Total RNA	0.0	0.0	0.3	7.0	0.0	0.0	0.0
	SQC_RNA			cDNA	0.0	0.0	0.075	0.0	0.0	0.0	0.0



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	storage buffer and deliver it to a refrigerated temperature.										
Plant	Freeze at least 1g of young leaves with liquid nitrogen and deliver them to dry ice.										
Microbes	Transfer cell pellets to under -20°C(Dry Ice).										
* You can submit it in DNA or sample form.											
* The LRS Lab team will proceed from DNA prep, so you have to let to LIMS "PacBio Samples" and have to select gDNA extraction step at registration.											
* All sales rep must abide by receiving conditions.											
2. Criteria for SQC Criteria and minimum guaranteed amount											
Sample Type	Total Amount(ug)		Avg. Size(bp)	Data amounts Guarantee for each lane (Gb)							
Human Blood	6.0		30000.0	30Gb							
Animals	6.0		30000.0								
Plant	6.0		30000.0								
Microbes	6.0		30000.0								
* Quantity QC: PicoGreen / Size QC: Femtopulse											
* Nanopore is more unstable and has more external variables than PacBio because it uses biological derivatives (pores). \nIt is very difficult to determine the guaranteed amount because											

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the pore activity varies from sample to sample and lane to lane, not just the size of DNA but also depending on the chemical properties. \nHowever, the minimum guaranteed will be required for sales activities, so we have set a standard for the minimum guaranteed. \nSo, each sales rep need to make sure the customer understands that the amount of data generation may change.											
* Please record the genomic size information and necessary depth information in the request when registering an order.											
If you have any further question, please contact HQ Lab.											
Data guarantee											
항목	변경 후										
HiFi yield (Gb)	Human: >60 Gb/cell										
	Non-human: >30 Gb/cell										