

Analysis	Protocol	Examples	Sample type	Optimum amount	Minimum amount	Elution	Sample delivery
GENOTYPING	GoldenGate	Cancer SNP panel Mouse linkage panels MHC Panel Set African american Admixture Panel Bovine 3K	Genomic DNA	Whole genomic: 15µl of 50ng/µl (650ng) Amplified: 5µl of 120ng/µl (600ng)	5µl of 50ng/µl (250ng)	TE or H2O	Aliquoted in 96-well plates (ABGENE AB-800)
	Infinium HD	Human1M-Duo Human660W-Quad HumanCytoSNP-12 HumanOmni-Quad HumanOmni Express HumanOmni 2.5-Quad	Genomic DNA	10µl of 50ng/µl (500ng)	4µl of 50ng/µl (200ng)	TE or H2O	1.5ml tubes or plates
EXPRESSION	WG-DASL	WGDASL-HT	Total RNA	15µl of 100ng/µl (1.5µg)	Partially degraded RNA: 5µl of 40-200ng/µl Intact RNA: 5µl of 20-100ng/µl		Tubes if fewer than 24 samples: plates if more
	Direct Hybridization	HumanHT-12 MouseWG-6 MouseRef-8 RatRef-12	Total RNA intact	20µl of 40ng/µl (800ng)	15µl of 35ng/µl (525ng)		Tubes if fewer than 24 samples: plates if more
METHYLATION	Infinium	HumanMethylation27 HumanMethylation450	Genomic DNA	500ng-2µg in max. 45µl	500ng in max. 45µl		Tubes if fewer than 24 samples: plates if more
SEQUENCING	Genomic DNA Single read		Genomic DNA	50µl of 100ng/µl (5µg)	50µl of 20ng/µl (1µg)	TE or H2O	1.5ml tubes
	Mate-Pair sequencing		Genomic DNA	20µg in 70µl	15µg in 70µl	TE or H2O	1.5ml tubes
	Paired-End sequencing		Genomic DNA	50µl of 100ng/µl (5µg)	50µl of 20ng/µl (1µg)	TE or H2O	1.5ml tubes
	ChIP-Seq		Genomic DNA	≈10ng ChIP enriched DNA in 30µl		DNase & RNase free H2O	1.5ml tubes
	Small RNA		Total RNA*	10µl of 100ng/µl (1µg)		DNase & RNase free H2O	1.5ml tubes
	mRNA	polyA-standard mRNA-Seq	Total RNA*	10µg in max. 50µl	50µl of 60ng/µl (3µg)	DNase & RNase free H2O	1.5ml tubes
		purified mRNA	mRNA*	500ng in max. 50µl	200ng in max. 50µl	DNase & RNase free H2O	1.5ml tubes
Strand-specific mRNA-Seq		total RNA*	Please contact amaransay@cicbiogune.es or afullaondo@cicbiogune.es for information		DNase & RNase free H2O	1.5ml tubes	
* For RNA sequencing, the samples should be DNA - free. Please check your samples for complete DNA digestion.							