

University of Minnesota Genomics Center

QC Request - External

www.genomics.umn.edu

Drop-off Locations: 1-210 CCRB & Self-Kiosk in 20 Snyder Hall Questions: 612-625-7736 umgc-qc@umn.edu

*Please send this form electronically to umgc-qc@umn.edu and include a physical copy with your samples



NanoDrop		Fluorometric Quantitation		Agilent		NGS Library QC			
		DNA		DNA		KAPA QC \$89.63/sample			
Priority (1 day)	\$7.63/ sample	Priority (1-2 days)	\$12.55/ sample	Priority (0-1 days)	\$57.89/ sample	Priority (3-4 days)	\$199.54/ sample		
Speed (2-3 days)	\$4.03/ sample	Speed (2-4 days)	\$9.51/ sample	Speed (1-4 days)	\$22.10/ sample	Speed (4-6 days)	\$145.57/ sample		
Savings (4-5 days)	\$2.71/ sample	Savings (5-10 days)	\$2.76/ sample	Savings (5-10 days)	\$15.28/ sample	Savings (7-10 days)	\$99.20/ sample		
<input type="checkbox"/> DNA <input type="checkbox"/> RNA <input type="checkbox"/> Other **Please provide 2 ul/sample of blanking solution for NanoDrop quantitation. If no blanking solution is provided, water will be used.		<input type="checkbox"/> PicoGreen Expected Concentration: _____ **Not Required, but helpful for the dilution		Expected Concentration: <input type="checkbox"/> 0.05-1 ng/ul <input type="checkbox"/> 1-50 ng/ul <input type="checkbox"/> >50 ng/ul <input type="checkbox"/> Unsure Expected length (bp): <input type="checkbox"/> <1000 bp <input type="checkbox"/> 1000-10000 bp <input type="checkbox"/> >10000 bp <input type="checkbox"/> Unsure **If unsure, the default DNA assay is D1000		Library Quantitation <input type="checkbox"/> (includes PicoGreen, Agilent analysis, and qPCR Analysis) **Please submit 10 ul total **KAPA QC is a qPCR-based quantification used to determine the number of amplifiable molecules in an NGS library.			
		RNA		RNA		Femto Pulse Analysis (up to 11 samples fit on a run)			
		Priority (1-2 days)	\$12.61/ sample	Priority (1-2 days)	\$30.66/ sample	Priority (1-2 days)	\$299.73/run	Priority (1-2 days)	\$228.61/run
		Speed (2-4 days)	\$9.56/ sample	Speed (2-4 days)	\$18.92/ sample	Speed (2-4 days)	\$18.92/ sample	Speed (2-4 days)	\$228.61/run
		Savings (5-8 days)	\$2.81/ sample	Savings (5-10 days)	\$13.53/ sample	Savings (5-10 days)	\$13.53/ sample	Savings (5-10 days)	\$197.93/run
		<input type="checkbox"/> RiboGreen Expected Concentration: _____ **Not Required, but helpful for the dilution		RNA Type: <input type="checkbox"/> Eukaryotic Total RNA <input type="checkbox"/> Prokaryotic Total RNA <input type="checkbox"/> Plant Total RNA <input type="checkbox"/> mRNA <input type="checkbox"/> Unsure Expected Concentration: <input type="checkbox"/> 0.05-10 ng/ul <input type="checkbox"/> 25-500 ng/ul <input type="checkbox"/> >500 ng/ul <input type="checkbox"/> Unsure **If unsure, the default RNA assay is Eukaryotic Total RNA (25-500 ng/ul)		<input type="checkbox"/> (includes PicoGreen and FemtoPulse analysis) **Please submit 5 ul total			
		**PicoGreen and RiboGreen are ultrasensitive fluorescent nucleic acid stains for extremely accurate quantitation of dsDNA and RNA in solution.		**We recommend cleaning up samples for Agilent Qualitative Analysis. Please elute in water or 10mM Tris- HCL, pH 8.5 for best results					

Submit **4 ul EACH** for Agilent, NanoDrop, Pico/RiboGreen, Submit **10ul Total** for KAPA

If submitting more than 8 samples, they must be in a plate (otherwise a plate transfer fee of \$25.67 will apply)

Index/Well ID	Sample ID	Index/Well ID	Sample ID	Index/Well ID	Sample ID	Index/Well ID	Sample ID	Index/Well ID	Sample ID
1/A1		9/A2		17/A3		25/A4		33/A5	
2/B1		10/B2		18/B3		26/B4		34/B5	
3/C1		11/C2		19/C3		27/C4		35/C5	
4/D1		12/D2		20/D3		28/D4		36/D5	
5/E1		13/E2		21/E3		29/E4		37/E5	
6/F1		14/F2		22/F3		30/F4		38/F5	
7/G1		15/G2		23/G3		31/G4		39/G5	
8/H1		16/H2		24/H3		32/H4		40/H5	

Desired Tier (Priority, Speed, or Savings): _____

of Samples: _____

Name: _____

Date: _____

Princ. Invest.: _____

Phone Number: _____

Email Address: _____

Billing information

Billing Contact Name: _____

Billing Institution: _____

Address: _____

Address 2: _____

External PO: _____