

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			
				<small>TapeStation is our default instrument for most assays - if the Bioanalyzer is preferred, please make a note</small>					
		DNA		DNA		KAPA QC \$89.63/sample			
Priority (1 day)	\$13.98/ sample	*Priority (1 day)	\$34.16/ sample	Priority (0-1 days)	\$62.68/ sample	Priority (2-3 days)	\$138.48/ sample		
Speed (2-3 days)	\$5.73/ sample	Speed (2-4 days)	\$10.72/ sample	Speed (1-4 days)	\$23.14/ sample	Speed (3-4 days)	\$107.81/ sample		
Savings (4-6 days)	\$3.01/ sample	Savings (5-7 days)	\$3.01/ sample	Savings (5-7 days)	\$15.65/ sample	Savings (5-7 days)	\$75.11/ sample		
<input type="checkbox"/> DNA <input type="checkbox"/> RNA <input type="checkbox"/> Other <small>**Please provide 2 ul/sample of blanking solution for NanoDrop quantitation. If no blanking solution is provided, water will be used</small>		<input type="checkbox"/> Qubit: 1-16 samples <input type="checkbox"/> PicoGreen: 17+ samples Expected Concentration: _____ <small>*Priority only available for Qubit (less than 17 samples)</small> <small>**Not Required, but helpful for the dilution</small>		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 <small>**If unsure, the default DNA assay is D1000</small>		Library Quantitation <input type="checkbox"/> (includes PicoGreen, Agilent analysis, and qPCR Analysis) <small>**Please submit <u>10</u> ul total</small> <small>**KAPA QC is a qPCR-based quantification used to determine the number of amplifiable molecules in an NGS library.</small>			
		RNA		RNA		HMW DNA Sizing			
		*Priority (1 day)	\$27.62/ sample	Priority (1-2 days)	\$33.09/ sample	Priority (1-2 days)	\$322.33/run	Femto Pulse Analysis (up to 11 samples fit on a run)	
		Speed (2-4 days)	\$10.83/ sample	Speed (2-4 days)	\$19.82/ sample	Speed (2-4 days)	\$244.45/run	<input type="checkbox"/> (includes PicoGreen and FemtoPulse analysis) <small>**Please submit <u>5</u> ul total</small>	
Savings (5-8 days)	\$3.09/ sample	Savings (5-7 days)	\$13.76/ sample	Savings (5-7 days)	\$13.76/ sample	Savings (5-7 days)	\$211.19/run		
		<input type="checkbox"/> Qubit: 1-16 samples <input type="checkbox"/> RiboGreen: 17+ samples Expected Concentration: _____ <small>*Priority only available for Qubit (less than 17 samples)</small> <small>**Not Required, but helpful for the dilution</small>		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 <small>**If unsure, the default RNA assay is Eukaryotic Total RNA (25-500 ng/ul)</small>		<small>**We recommend cleaning up samples for Agilent Qualitative Analysis. Please elute in water or 10mM Tris- HCL, pH 8.5 for best results</small>			

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 individual tube transfer fees will apply):

Priority \$12.19; Speed \$7.72; Savings \$5.14 per sample.)

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: _____