

**University of Minnesota Genomics Center
Quantitation Request - Internal**

www.genomics.umn.edu

Drop-off Locations: 1-202 NHH, 1-210 CCRB, & 28 Snyder Hall

Questions: 612-625-7736

umgc-qc@umn.edu

NanoDrop	Fluorometric Quantitation	Agilent	NGS Library QC
\$0.36/sample	DNA \$2.30/sample	DNA \$8.20/sample	KAPA QC \$61.63/sample
<input type="checkbox"/> DNA <input type="checkbox"/> RNA <input type="checkbox"/> Other <p><small>**Please provide 2 ul/sample of blanking solution for NanoDrop quantitation. If no blanking solution is provided, water will be used</small></p>	<input type="checkbox"/> PicoGreen Expected Concentration: _____ <p><small>**Not Required, but helpful for the dilution</small></p> <hr/> <input type="checkbox"/> RiboGreen Expected Concentration: _____ <p><small>**Not Required, but helpful for the dilution</small></p> <p><small>**PicoGreen and RiboGreen are ultrasensitive fluorescent nucleic acid stains for extremely accurate quantitation of dsDNA and RNA in solution.</small></p>	<p><small>TapeStation is our default instrument for most assays - if the Bioanalyzer is preferred, please make a note</small></p> <p>Expected Concentration:</p> <input type="checkbox"/> 0.005-1 ng/ul <input type="checkbox"/> 1-50 ng/ul <input type="checkbox"/> >50 ng/ul <input type="checkbox"/> Unsure <p>Expected length (bp):</p> <input type="checkbox"/> <1000 bp <input type="checkbox"/> 1000-10000 bp <input type="checkbox"/> >10000 bp <input type="checkbox"/> Unsure <p><small>**If unsure, the default DNA assay is D1000</small></p> <hr/> <p>RNA Type:</p> <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 <p>Expected Concentration:</p> <input type="checkbox"/> 0.005-10 ng/ul <input type="checkbox"/> 25-500 ng/ul <input type="checkbox"/> >500 ng/ul <input type="checkbox"/> Unsure <p><small>**If unsure, the default RNA assay is Eukaryotic Total RNA (25-500 ng/ul)</small></p> <p><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></p>	<p>Library Quantitation</p> <input type="checkbox"/> \$61.63/sample (includes PicoGreen and Agilent analysis) <p><small>**Please submit 10 ul total</small></p> <p><small>**KAPA QC is a qPCR-based quantification used to determine the number of amplifiable molecules in an NGS library.</small></p>

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	

Number of Samples: _____

Billing information

Name: _____
 Date: _____
 Princ. Invest.: _____
 Phone Number: _____
 Email Address: _____

Fund: _____
 DeptID: _____
 PCBU/Program: _____
 Project: _____
 Employee ID and/or CF1 and/or CF2: _____

The turnaround time (TAT) for most QC services is 1-3 days. Please allow one week for KAPA. For Expedited TAT please contact umgc-qc@umn.edu

Samples will be discarded one week post-QC.