University of Minnesota Genomics Center

QC Request - Internal

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

Priority (1 day)	$6.55/ sample
Speed (2-3 days)	$3.31/ sample
Savings (4-5 days)	$2.12/ sample

- ☐ DNA
- ☐ RNA
- ☐ Other

**Please provide 2 ul/sample of blanking solution for NanoDrop quantitation. If no blanking solution is provided, water will be used

Fluorometric Quantitation

DNA

Priority (1-2 days)	$10.97/ sample
Speed (2-4 days)	$8.23/ sample
Savings (5-10 days)	$2.16/ sample

☐ **PicoGreen**

Expected Concentration:_____

**Not Required, but helpful for the dilution

RNA

Priority (1-2 days)	$11.01/ sample
Speed (2-4 days)	$8.27/ sample
Savings (5-8 days)	$2.19/ sample

☐ **RiboGreen**

Expected Concentration: _____

**Not Required, but helpful for the dilution

**PicoGreen and RiboGreen are ultrasensitive fluorescent nucleic acid stains for extremely accurate quantitation of dsDNA and RNA in solution.

Agilent

TapeStation is our default instrument for most assays - if the Bioanalyzer is preferred, please make a note

DNA

Priority (0-1 days)	$50.33/ sample
Speed (1-4 days)	$18.11/ sample
Savings (5-10 days)	$11.98/ sample

Expected Concentration:
- ☐ 0.05-1 ng/ul
- ☐ 1-50 ng/ul
- ☐ >50 ng/ul
- ☐ Unsure

Expected length (bp):
- ☐ <1000 bp
- ☐ 1000-10000 bp
- ☐ >10000 bp
- ☐ Unsure

**If unsure, the default DNA assay is D1000

RNA

Priority (1-2 days)	$26.03/ sample
Speed (2-4 days)	$15.46/ sample
Savings (5-10 days)	$10.60/ sample

RNA Type:
- ☐ Eukaryotic Total RNA
- ☐ Prokaryotic Total RNA
- ☐ Plant Total RNA
- ☐ mRNA
- ☐ Unsure

Expected Concentration:
- ☐ 0.05-10 ng/ul
- ☐ 25-500 ng/ul
- ☐ >500 ng/ul
- ☐ Unsure

**If unsure, the default RNA assay is Eukaryotic Total RNA (25-500 ng/ul)

**We recommend cleaning up samples for Agilent Qualitative Analysis. Please elute in water or 10mM Tris- HCL, pH 8.5 for best results

NGS Library QC

KAPA QC $89.63/sample

Priority (3-4 days)	$168.01/ sample
Speed (4-6 days)	$119.46/ sample
Savings (7-10 days)	$77.76/ sample

Library Quantitation

☐ (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.

HMW DNA Sizing

Femto Pulse Analysis (up to 11 samples fit on a run)

Priority (1-2 days)	$246.60/run
Speed (2-4 days)	$182.59/run
Savings (5-10 days)	$155.16/run

☐ (includes PicoGreen and FemtoPulse analysis)

Please submit **5 ul total

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

Fund: _____

DeptID: _____

PCBU/Program: _____

Project: _____

Employee ID and/ or CF1/CF2: _____