

Molecular Analysis Core (MAC Lab)

Instrument Use & Researcher-Supplied Reagent Policy

Purpose

Researchers may use select MAC Lab instruments with either MAC-supplied reagents or their own compatible reagents. This document explains what is required when bringing your own reagents and how instrument-use fees are separated from reagent charges.

Two billing options

Option	What the researcher provides	MAC charge
Bring your own reagents	A complete, compatible, unexpired reagent set for the requested assay.	Instrument-use fee only <i>TapeStation</i> \$10 hour of use, with a minimum use of 30 minutes for \$5 <i>Qubit</i> \$10 hour of use, with a minimum use of 15 minutes for \$2.50
Use MAC reagents	Samples only; MAC supplies the required assay reagents and consumables listed below.	Instrument-use fee (same as above) + reagent fee <i>TapeStation reagent fee:</i> DNA (broad range): \$82 per 16 samples RNA (broad range): \$92 per 16 samples <i>Qubit reagent fee</i> DNA (broad range): \$2 per 1 sample RNA (broad range): \$2 per 1 sample

Researcher-supplied reagent requirements

If you choose to supply your own reagents, please bring the **complete assay set** required for your analysis. Reagents must be manufacturer-recommended for the instrument and assay, within expiration, stored appropriately, and supplied in sufficient quantity for all samples, controls, standards, and repeats that will be analyzed. MAC staff may decline reagents that are incomplete, expired, improperly stored, or not compatible with the requested workflow.

TapeStation common reagent sets

Assay	Required items when bringing your own reagents	Catalog no.
RNA ScreenTape	RNA ScreenTape RNA ScreenTape Sample Buffer RNA ScreenTape Ladder	5067-5576 5067-5577 5067-5578
D1000 DNA	D1000 ScreenTape D1000 Reagents (ladder + sample buffer)	5067-5582 5067-5583
D5000 DNA	D5000 ScreenTape D5000 Reagents	5067-5588 5067-5589

TapeStation consumables

Required items when bringing your own reagents	Part Number (PN)
Optical tube strips (8x Strip).	401428
Optical tube strip caps (8x strip)	401425
Loading tips (For use with Agilent 4150 and 4200 TapeStation systems).	5067-5599

Catalog numbers shown are manufacturer catalog numbers (Agilent). Please confirm assay compatibility with the MAC Lab before purchasing.

Qubit common assay kits

Assay	Catalog no.	Typical use
Qubit 1X dsDNA BR Assay Kit - 100 assays	Q33265	Broad-range dsDNA quantification / Quantitation Range: 4 to 4000 ng
Qubit 1X dsDNA HS Assay Kit - 100 assays	Q33230	Low-concentration / high-sensitivity dsDNA / Quantitation Range: 0.1 to 120 ng
Qubit RNA HS Assay Kit - 100 assays	Q32852	High-sensitivity RNA quantification / Quantitation Range: 0.2 to 200 ng/μL
Qubit RNA BR Assay Kit - 100 assays	Q10210	Broad-range RNA quantification / Quantitation Range: 4–200 ng

Qubit consumables

Required items when bringing your own reagents	Part Number
Qubit™ Assay Tubes Qubit assay tubes are 500 μL thin-walled polypropylene tubes for use with the Qubit Fluorometer.	Q32856

Before purchasing reagents: Please contact the MAC Lab with your sample type, approximate concentration, number of samples, and intended assay. We can confirm the most appropriate reagent set and help avoid purchasing an incompatible kit.

Additional notes

- Instrument-use fees apply whether reagents are supplied by the researcher or by the MAC Lab.
- When MAC reagents are used, the applicable per-sample reagent charge is added to the instrument-use fee.
- Researcher-supplied reagents remain the responsibility of the researcher. MAC cannot replace materials that are expired, damaged, contaminated, or incompatible.
- All work is for research use only and is subject to current MAC Lab scheduling and operating policies.
- TapeStation and Qubit instruments must be reserved in FOM for usage times to ensure that all researchers have access to the equipment when they plan to use it.

Questions or consultation requests: MolecularRSC@txstate.edu