LUNATIC

UNCHAINED LABS

Get your quant on

Lunatic makes batch quantification of protein, DNA and RNA a no-brainer. All you need is 2 µL and 5 minutes to measure up to 96 samples. Run them straight-up, even at high concentrations, without ever diluting. Lunatic gets biologics and genomics UV/Vis quantification on the money every time. Just drop, load and read.

96 samples in **5** minutes

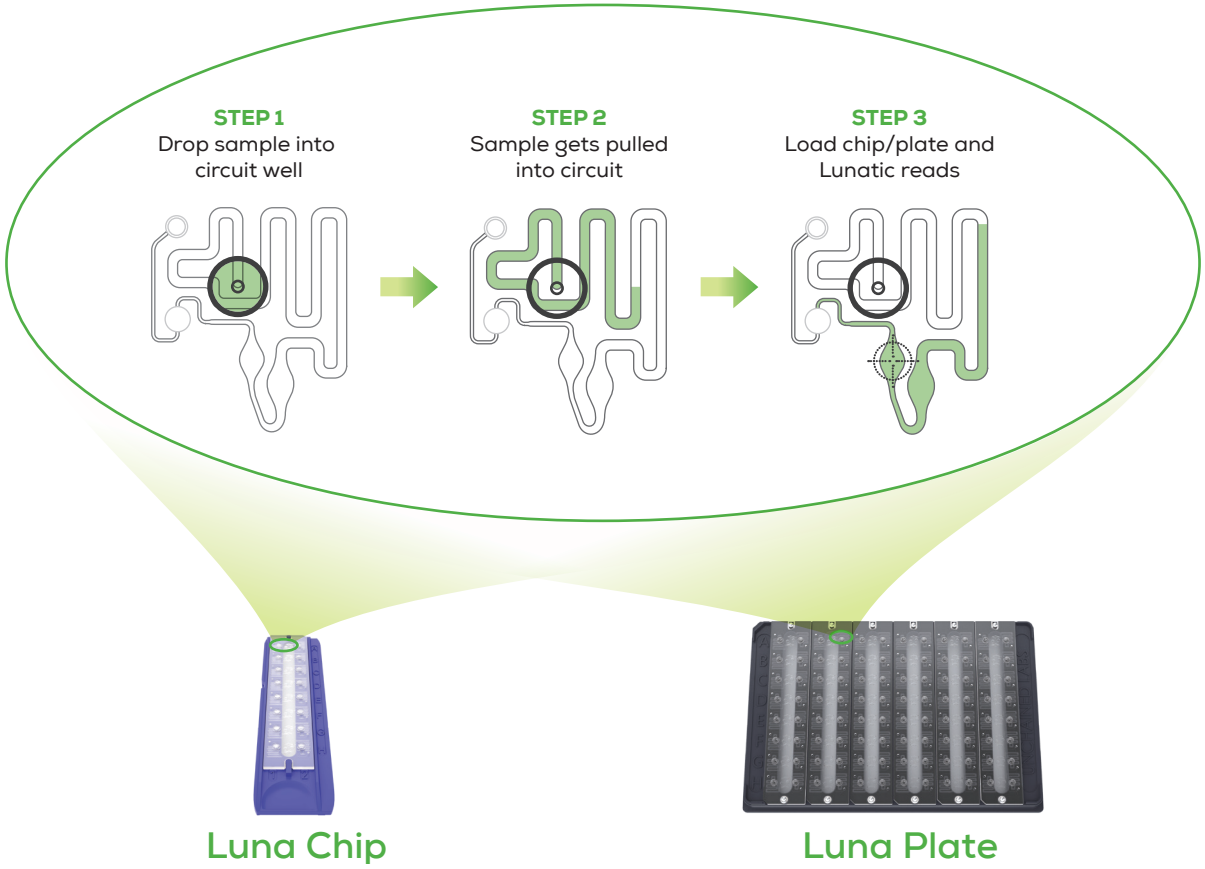
Plate format

16 samples in **2** minutes

Chip format

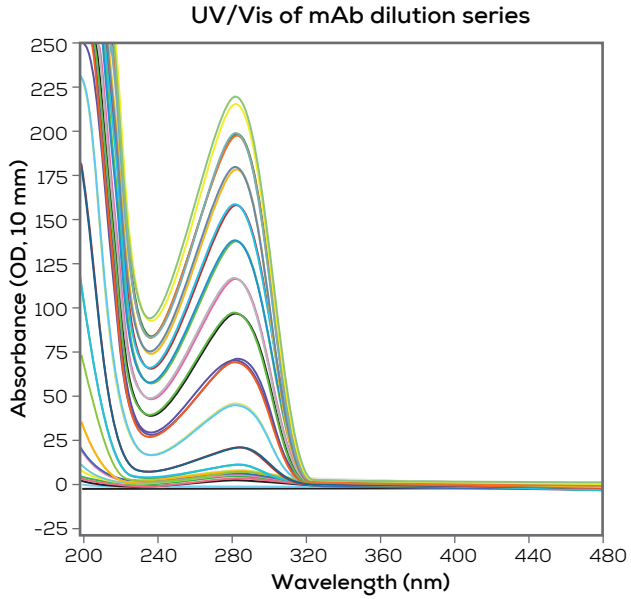
No B.S. workflow

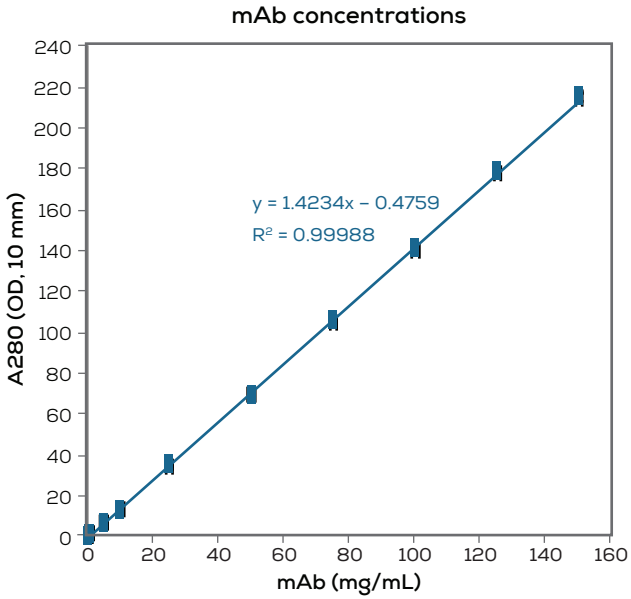
Skip the sample prep, cleaning and worrying about cross-contamination or evaporation – your samples will sit tight for up to 2 hours. Our proprietary Luna Chip consumable has 16 individual microfluidic circuits so you can run up to 16 samples at a time. Or knock out up to 96 on a Luna Plate. So just load and get kick-ass results.



Max out your biologic

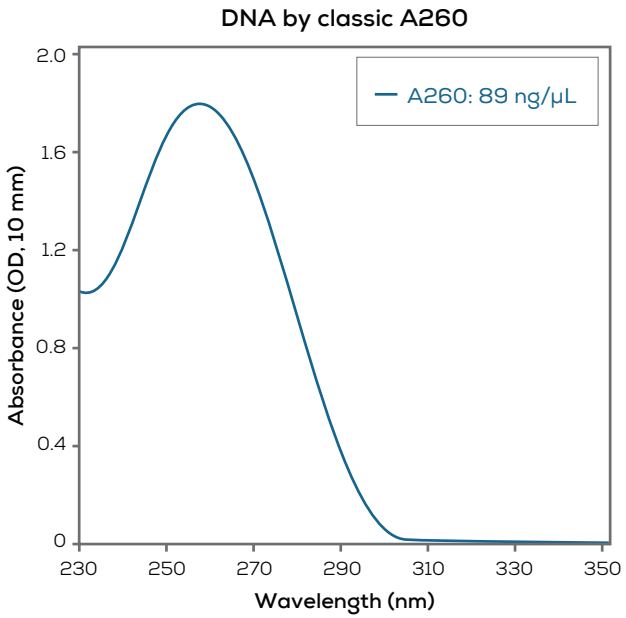
Lunatic is the only system out there that can measure biologics at high-throughput and high concentration. It's got dynamic range that covers from 0.02 mg/mL to 150 mg/mL (mAb), so run any protein without ever having to dilute again. Stop the madness of running just one protein at a time – and cleaning up afterwards.

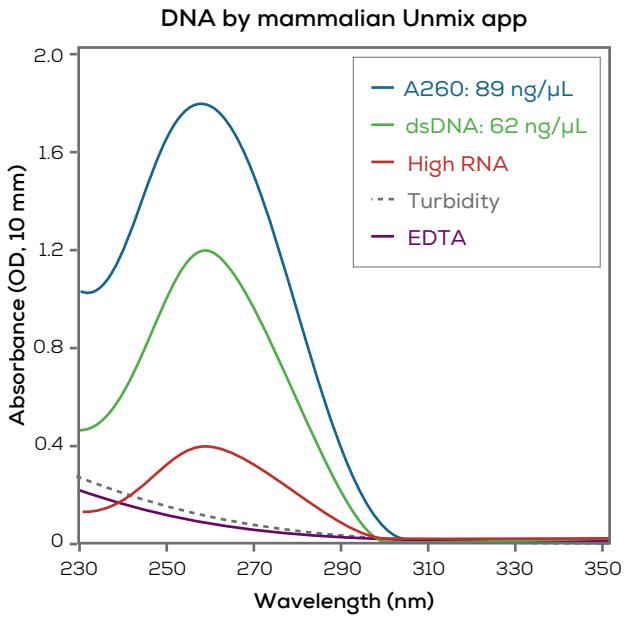




Dig up your genomic's dirt

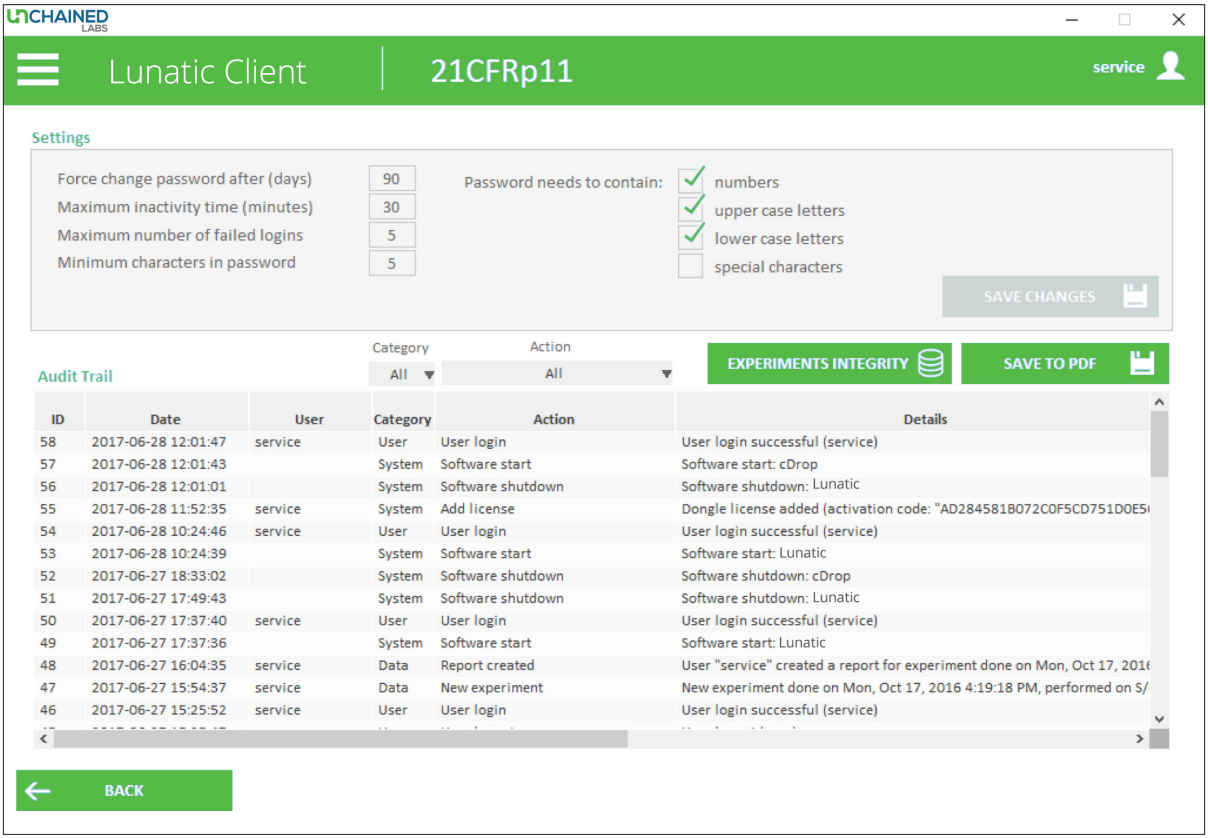
DNA and RNA samples can be freaking messy. Lunatic analysis software lets you see annoying impurities that classic A260 measurements alone mistake as your DNA or RNA. Find out exactly how much RNA, turbidity, beads and other influencers are screwing up your samples. Ditch the time-sucking, dye-based prep and know right away if your samples are good to go.





Get with the program

GLP labs don't sweat it. Lunatic's software hooks labs up with 21 CFR Part 11 compliant features. We're talking password protection, electronic signatures, full audit trail – the whole package. Lunatic also talks to robots, so you can plug it right in to your current automation workflow.



Specifications

Description	Big Lunatic Specifications	Little Lunatic Specifications
Sample size	2 µL	2 µL
Number of samples	96 per Luna Plate	16 per Luna Chip
Sample run time	5 minutes per Luna Plate	2 minutes per Luna Chip
IgG concentration range	Luna Plate: 0.02–29 mg/mL High Luna Plate: 0.02–150 mg/mL	Luna Chip: 0.02–29 mg/mL High Luna Chip: 0.02–150 mg/mL
dsDNA concentration range	Luna Plate: 1.5–2,000 ng/µL High Luna Plate: 1.5–10,000 ng/µL	Luna Chip: 1.5–2,000 ng/µL High Luna Chip: 1.5–10,000 ng/µL
Path length	Luna Plate: 0.5 mm High Luna Plate: 0.1 and 0.7 mm	Luna Chip: 0.5 mm High Luna Chip: 0.1 and 0.7 mm
Light Source	Xenon flash lamp	Xenon flash lamp
Detector	UV/Vis polychromatic spectrophotometer	UV/Vis polychromatic spectrophotometer
Wavelength range	230–750 nm	230–750 nm
Wavelength accuracy	≤0.2 nm	≤0.2 nm
Absorbance precision	0.001 OD (0.5 mm path)	0.001 OD (0.5 mm path)
Absorbance accuracy	4% (0.66 OD at 350 nm)	4% (0.66 OD at 350 nm)
Calibration	Integrated self-calibration	Integrated self-calibration
Physical	37 cm W x 46 cm D x 33 cm H, 21 kg	23 cm W x 30 cm D x 28 cm H, 9 kg
Electrical	Universal input, voltage 100–240 V AC, 50–60 Hz	Universal input, voltage 100–240 V AC, 50–60 Hz
Computer	Customer provided computer, Microsoft Windows 7 or later	Preinstalled software, 7" full-color touch screen

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Rev A