

S9: Assessment of RNA quantity

The quantity of the RNA samples was measured using a Thermo Scientific MultiScan GO UV-spectrophotometer and its accompanied software SkanIt (Cat No: 51119300). Briefly, the formula below was used to quantify the concentration of each RNA sample.

$$\text{RNA Concentration} \left(\frac{\mu\text{g}}{\text{mL}} \right) = 40 * A_{260}$$

Based on this formula, the concentration of the RNA samples was as follow:

	U87	SH-SY5Y
CZ	133.65/247.61	51.84/187.76
RP	71.14/162.35	38.59/274.90

All values are the averages of triplicates.

Values are in "treatment"/"vehicle control" format and in $\mu\text{g}/\text{mL}$ unit.

Since the quantity of RNA is each treatment group is lower than its respective vehicle control, the RNA sample in each treatment group was dilute with RNase free water to the concentration of its corresponding vehicle control.