

Material Amount

Animal or Plant tissue 1–75 mg

Mammalian Cells 1×10^2 – 1×10^7 cells or 1 confluent 60 cm²dish

Gram-negative Bacteria 2×10^9 cells or 1.5–3 mL culture with an A600 ~2–3

Gram-positive Bacteria 10^8 – 10^9 cells or 1.5–3 mL culture with an A600 ~1–2

Yeast 1×10^8 cells or 1.5–3 mL culture with an A 600 ~1–2

Viral Particles amount expected to contain ~200 µg RNA

Enzyme Reactions ~5–300 µg RNA