

DNA Quantification

1. Dilute DNA as appropriate in water ($1 \leq DF \leq 1/100$) to a total volume of 50 μ l
2. Similarly dilute blank DNA buffer solution with water to a total volume of 50 μ l
3. Read absorbance of blank and DNA sample at $\lambda = 260$ and 280
4. Calculate [DNA]; $[DNA] (\text{ng}/\mu\text{l}) = DF \cdot A_{260} \cdot 50$
5. Determine sample purity; pure DNA $A_{260}/A_{280} = 1.8$