

QIAGEN plasmid kits — now better than ever!

QIAGEN has consistently set the standard for plasmid purification, providing faster preps, higher throughput, more convenience, superior DNA quality for stringent applications, and contract production services. Now our enhanced plasmid prep kits offer even more:

Highest possible yields with LyseBlue reagent *

Now you can be confident of obtaining the best possible yields using our new LyseBlue reagent. Using a simple visual identification system, LyseBlue reagent prevents common handling errors that lead to inefficient cell lysis and incomplete precipitation of SDS, cell debris, and genomic DNA.

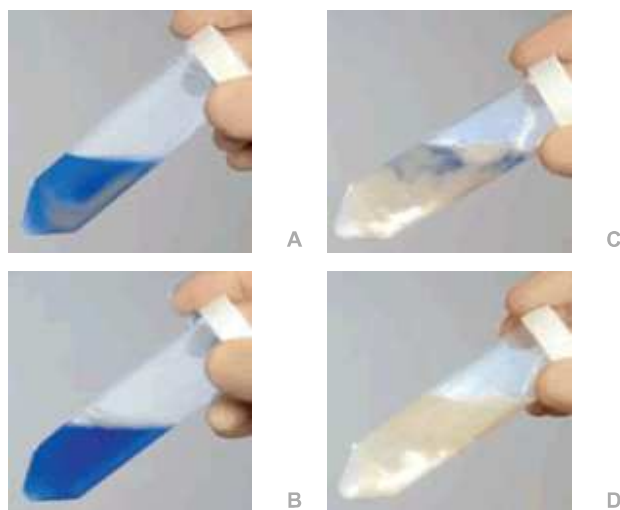
Plasmid support

► [Plasmid Resource Center](#)

Plasmid products

► [Small-scale plasmid kits](#)
 ► [Large-scale plasmid kits](#)
 ► [Plasmid DNA preparation service](#)
 ► [QIAGEN Plasmid Kit Selection Guide](#)

Visualization of Efficient Cell Lysis and SDS Precipitation Using LyseBlue



Upon addition of lysis buffer the cell suspension turns blue allowing easy visualization of aggregated cells. **A** Insufficient mixing after addition of lysis buffer. **B** Correct mixing after addition of lysis buffer. Addition of neutralization buffer causes LyseBlue to turn colorless. A homogeneous solution with no traces of blue indicates that the SDS has been effectively precipitated. **C** Insufficient mixing after addition of neutralization buffer. **D** Correct mixing after addition of neutralization buffer.

LyseBlue reagent can be quickly and easily added to the stock resuspension buffer ([Buffer P1](#)) before use. Upon contact with lysis buffer ([Buffer P2](#)), LyseBlue reagent in the resuspension buffer turns blue, allowing easy visualization of aggregated cells (**A**). Mixing the cells until a homogeneous blue suspension is achieved ensures that all of the cells are fully exposed to lysis buffer, enabling complete cell lysis and maximum release of plasmid DNA into the supernatant (**B**). Upon addition of neutralization buffer ([Buffer P3](#) or N3), LyseBlue turns colorless (**C**). The presence of a homogeneous solution with no traces of blue indicates that the SDS has been effectively precipitated (**D**). This is particularly important as SDS can prevent DNA binding to anion-exchange-based plasmid columns, leading to reduced yields. Use of LyseBlue helps to verify all protocol steps are performed correctly, providing optimal results.



Color-coded bottles for easy recognition

We have also introduced individually colored labels on the bottle caps of all our plasmid buffer bottles, allowing easier recognition of the correct buffer — even on crowded shelves! This simple added convenience allows you to quickly identify the buffer you need, speeding up your research and preventing accidental use of incorrect reagents.

Concise protocols — get straight to the key information

We have streamlined our [plasmid handbooks](#) and introduced tear-out bench protocols. These shorter protocols enable you to quickly find the information you need to get perfect results every time.



* LyseBlue reagent is provided with [QIAGEN Plasmid Kits](#), [QIAfilterPlasmid Kits](#), [HiSpeed Plasmid Kits](#), [EndoFreePlasmid Kits](#), and [QIAprepSpin Miniprep Kits](#).

