

Lumizol Reagent

<http://cn.lumiprobe.com/p/trizol>

Lumizol reagent includes phenol, guanidine isothiocyanate and other components which makes the high-quality RNA extraction possible. Such components as phenol and guanidine isothiocyanate provide cell lysis and inhibit ribonucleases effectively. Thus the RNA is preserved intact.

After samples homogenization followed by the addition of chloroform the phase separation occurs: an upper, aqueous phase, the middle interphase and lower organic phase. RNA in the upper aqueous phase is then collected by precipitation with isopropanol, while DNA and proteins might be collected from the interphase and organic phase. DNA isolation from interphase and lower organic phase can be performed using ethanol solution and for proteins by precipitation with isopropanol from supernatant.

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