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## Lumizol Reagent

<http://www.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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### General properties

Appearance: yellow-orange solution

Quality control: functional testing

Storage conditions: 12 months after receipt at  $-20^{\circ}\text{C}$  in the dark. Short-term storage at  $+4^{\circ}\text{C}$ . Transportation: at room temperature for up to 3 weeks.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.