

Extraction kit for swabs, biological liquids, sputum, bronchial aspirate and pleural effusion

Extra RNA from biological liquids

Cat. n. 102 T

The kit of RNA nucleic acid is designed for the total RNA extraction from biological materials (plasma, serum, cerebrospinal liquid, bone marrow needle aspiration, sputum, bronchial aspirate, nasal swab and pharyngeal swab).

The extraction kit of ribonucleic acid (RNA) is a reagents kit for rapid, manual and efficient extraction for an optimal RNA obtained from different biological materials. The lysis solution contains chaotropic agents (guanidine thiocyanate) that lyses the cells and denatures the cell proteins.

The nucleic acids are precipitated in the isopropanol solution and eluted in a swab with a low saline concentration. The samples can be analyzed using Real-Time PCR, PCR, Sanger sequencing or any other enzymatic restriction.

We advise to use internal standards and positive and negative controls in order to check the extraction and the following investigations.

Principle of method: extraction from biological fluids

Applicability: biological fluids

Number of Test: 200

Stability: over 12 months if correctly stored.

REAGENTS AND STORAGE

reagents	storage
Lysis solution	+4°C in the dark
Precipitation solution	+4°C
RNA Carrier	-20°C
Washing solution	+4°C
RNA-eluent	-20°C

Schema Semplificativo - Estrazione RNA

Soluzione di Lisi 400 µl - aggiungere 3 µl RNA Carrier
Incubare a 65°C per 5 min.



Soluz. Di Precipitazione 400 µl - aggiungere 10 µl di C.I.
Vortexare per 10 sec.



Centrifugare per 5 min. a 13.000 rpm



Eliminare il Surnatante



Soluz. di Lavaggio 500 µl - Vortexare per 8 sec.



Centrifugare per 5 min. a 13.000 rpm