

peqGOLD Total RNA Kit

For quick and easy isolation of high quality total RNA from animal or human cells and tissue

No need for organic extractions or alcohol precipitations



PRODUCT HIGHLIGHTS

- Suitable for the simultaneous processing of multiple samples
- No need for organic extractions
- No need for time-consuming alcohol precipitations
- Immediate inactivation of exogenous and endogenous RNases
- Favored binding of RNA molecules > 200 bases
- Efficient separation of enzyme inhibitors and contaminants
- Final elution in RNase free water
- Two types of columns for increased sample and user protection or easy handling

PRINCIPLE

The peqGOLD Total RNA Kit uses the reversible binding properties of the silica based PerfectBind RNA Column. Samples are first lysed under denaturing conditions. The lysate is then applied to the PerfectBind column. The Total RNA selectively binds to the silica matrix, can then be washed and eluted with RNase free water at the end.

PERFORMANCE TOTAL RNA KIT

- Protocol time: < 25 min
- Elution volume: 50 – 100 µl
- Binding capacity: 100 µg/column
- Column volume: 0.75 ml
- For up to 1 x 10⁷ cells or 40 mg tissue per column

COLUMN TYPES

- Safety Line column with snap-on safety lid
- Classic Line column without lid for easy handling

KIT COMPONENTS

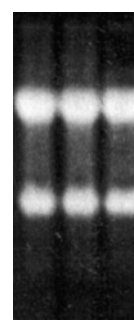
- PerfectBind RNA columns (Safety or Classic Line)
- Collection Tubes
- 'DNA Removing' columns
- RNA Lysis Buffer T
- RNA Wash Buffer I and II
- RNase free water

'DNA REMOVING' COLUMN

The 'DNA Removing' columns supplied with this kit are especially developed for efficient separation of DNA and cellular debris and therefore significantly increase purity of the isolated RNA.

RNA purified using the peqGOLD Total RNA Kit is ready for any downstream application.

Advanced protocol for isolation of miRNA included in the manual.



Analysis of total RNA purified with the peqGOLD Total RNA Kit

RNA was isolated from 3 different mouse liver samples (25 mg each) using the peqGOLD Total RNA Kit, then applied to a 1.4 % agarose gel including 6 % formaldehyde and analyzed. 10 µg have been applied to each lane.

1 2 3

PRODUCT	DESCRIPTION	YIELD	PREPS	CAT. NO.
peqGOLD Total RNA Kit (Safety Line)	RNA from animal or human cells or tissue	up to 100 µg	5	12-6834-00
			50	12-6834-01
			200	12-6834-02
peqGOLD Total RNA Kit (Classic Line)	RNA from animal or human cells or tissue	up to 100 µg	5	12-6634-00
			50	12-6634-01
			200	12-6634-02