

### Purification kits, RNA, NucleoSpin® RNA II

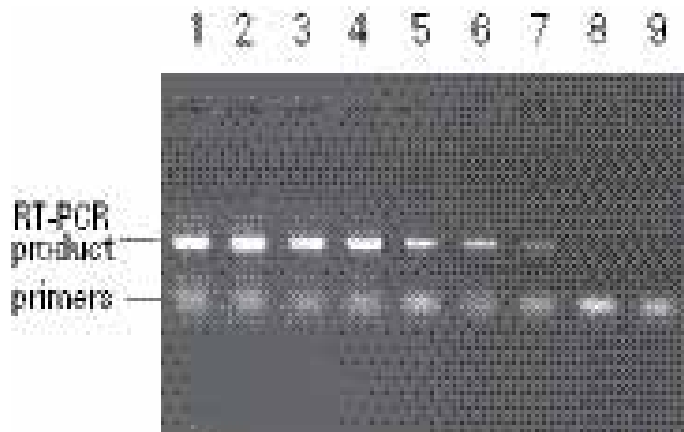
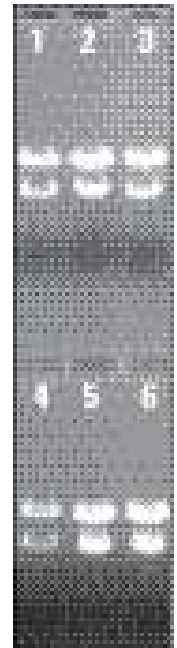


LE

Catalogue No	Alt. No	Preps per kit
<b>NZ74095510</b>	740955.10	10
<b>NZ74095550</b>	740955.50	50
<b>NZ740955250</b>	740955.250	250

#### Accessories

Catalogue No	Alt. No	Description	Quantity, mL	Pack qty
<b>NZ740961</b>	740961	Lysis buffer RA1	50	1
<b>NZ740961500</b>	740961.500	Lysis buffer RA1	500	1
<b>NZ740963</b>	740963	DNase I set, including DNase I and DNase reaction buffer for 50 minipreps of total RNA	-	1
<b>NZ740606</b>	740606	NucleoSpin® filters for filtration of cell and tissue homogenates	-	50
<b>NZ740711</b>	740711	NucleoSpin® RNA filter plate for filtration of cell and tissue homogenates, for use under vacuum or centrifugation	-	4



#### Quality you can count on!

1.2mL from a LB culture of *Pseudomonas putida*\* (OD600 0.9) has been pelleted and resuspended in 100µL TE-Buffer containing 0.05, 0.2, 0.8mg/mL lysozyme respectively. Incubation was performed at 37°C for 10 minutes. The further isolation procedure was carried out according to the standard protocol of NucleoSpin® RNA II. 6µL of the eluate (elution volume 60µL) was analysed on a 1.2% formaldehyde gel. The  $A_{260/280}$  was on average 2.1.

\*Due to a complex outer membrane *Pseudomonas putida* is known as a hard-to-lyse strain.

	Average yield	
Lane 1 and 4:	0.05mg/mL lysozyme	22µg
Lane 2 and 5:	0.2mg/mL lysozyme	69µg
Lane 3 and 6:	0.8mg/mL lysozyme	69µg

Even from hard-to-lyse bacterial strains high quality total RNA can be isolated.

High recoveries permit detection of a transcript from as few as 10 HeLa cells by RT-PCR\*

RT-PCR\* of total RNA isolated with the NucleoSpin® RNA II standard protocol from 10<sup>6</sup>, 10<sup>5</sup>, 10<sup>4</sup>, 330, 100, 33, 10, 3 and 0 HeLa cells (1 to 9). The RT-PCR\* was done with 3µL of total RNA each (elution volume: 40µL) and β-actin primers. The specific RT-PCR\* product is 626bp of size.

### Total RNA blood kit, PureLink™



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The PureLink™ total RNA blood purification kit is designed to quickly purify total RNA from up to 500µL of blood. Nonnucleated erythrocytes (red blood cells) are efficiently depleted using the erythrocyte lysis buffer, significantly reducing cell debris that may otherwise interfere with RNA purification and other downstream applications. With the PureLink™ total RNA blood purification kit, purified RNA is ideal for various applications, including qRT-PCR, array hybridisation, cDNA synthesis, and library construction.

Catalogue No	Description	Quantity
<b>VXK156001</b>	PureLink™ total RNA blood kit	50 preps

\*Polymerase Chain Reaction (PCR) is a process covered by patents owned by Hoffman-La Roche