

# SPEEDTOOLS



Explore a world of efficient solutions in DNA /RNA extraction and purification kits

**BIOTOOLS**  
BIOTOOLS B&M LABS.S.A.

## SpeedTools line

The **SpeedTools line** covers a full range of kits suited for the extraction and purification of nucleic acids (DNA or RNA) from a great variety of samples (blood, tissue, plant, viral, food, plasmid, PCR reactions, agarose gel bands, etc.).

Based on **silica-gel membrane** technology, which is already assembled in a microspin column, eliminates carryover problems which may interfere with downstream applications.

**Our isolation protocols as well as our reagents are optimised to provide:**

- **REDUCED MANIPULATION STEPS**  
Number of manipulation steps (lysis-binding-washing-elution) has been reduced to a minimum without compromising the quality
- **FAST PROTOCOLS**  
Short preparation times
- **CONSISTENT HIGH YIELDS**
- **SIMPLE AND RELIABLE PROCEDURES**  
Even for small amounts of samples

## Products DNA/RNA

DNA		
DNA Fragments	<b>SpeedTools PCR Clean-up Kit</b>	Agarose Gels PCR reactions Reaction Mixtures
Plasmid	<b>SpeedTools Plasmid DNA Purification Kit</b>	Fresh cultured bacterial suspension Frozen bacteria pellets
Genomic	<b>SpeedTools DNA Extraction Kit</b>	Blood Body Fluids Mammalian cells Serum and plasma
	<b>SpeedTools Tissue DNA Extraction Kit</b>	Bacterial Cells Body fluids Clinical and forensic samples Serum and plasma Tissues Yeast cells
	<b>SpeedTools Food DNA Extraction Kit</b>	Bacterial DNA in food Food from plant origin Processed food and feed
	<b>SpeedTools Plant DNA Extraction Kit</b>	Food from plant origin Plant Tissues (fresh, frozen or dried)
RNA		
Virus	<b>SpeedTools RNA Virus Kit</b>	Cell culture supernatants Cell free biological fluids Serum and plasma
Total	<b>SpeedTools Total RNA Extraction Kit</b>	Bacterial Cells Biological fluids Culture Cells Paraffin embedded tissues Tissues Yeast cells

**ORDERS:** Fax: +34 91 505 31 18 Mail: [orders@biotools.eu](mailto:orders@biotools.eu)

## Main Features

	SpeeTools PCR Clean-up Kit	SpeedTools Plasmid DNA Purification Kit	SpeedTools DNA Extraction Kit	SpeedTools Tissue DNA Extraction Kit	SpeedTools Food DNA Extraction Kit	SpeedTools Plant DNA Extraction Kit	SpeedTools RNA Virus Kit	SpeedTools Total RNA Extraction Kit
Sample size	fragment	0.5 - 2 ml of bacterial cultures	Up to 200 µl	25 mg / 107 cells	Up to 200 mg	Up to 100 mg	Up to 150 µl	Up to 5 x 10 <sup>6</sup> cells 30 mg tissue
Average Yield	85%-95%	Up to 20 µg (2 ml culture)	4-6 µg	35 µg	0.1-10 µg	Up to 50 µg	>90%	Up to 70 µg
Time/ Prep	10 min/ 6 preps	<15 min/ 4 preps	30 min	20 min/ 4-6 preps (after lysis time)	35 min/ 6 prep	20 min (after lysis time)	30 min/ 4-6 preps	<30 min/ 6 preps

## Common procedure

1. Lysis with optimised buffer



2. Adjustment of the lysate for the binding step (ethanol addition)



3. Selective binding of nucleic acid to the silica-membrane



4. Wash away of impurities, salt, proteins and metabolites



5. Elution of highly pure nucleic acid



## Ordering information

Ref.	Product	Format
21.200	SPEEDTOOLS PCR Clean-Up kit	10 rxns
21.201	SPEEDTOOLS PCR Clean-Up kit	50 rxns
21.202	SPEEDTOOLS PCR Clean-Up kit	250 rxns
21.220	SPEEDTOOLS Plasmid DNA Purification kit	10 rxns
21.221	SPEEDTOOLS Plasmid DNA Purification kit	50 rxns
21.222	SPEEDTOOLS Plasmid DNA Purification kit	250 rxns
21.130	SPEEDTOOLS DNA Extraction kit	10 rxns
21.131	SPEEDTOOLS DNA Extraction kit	50 rxns
21.132	SPEEDTOOLS DNA Extraction kit	250 rxns
21.135	SPEEDTOOLS TISSUE DNA Extraction Kit	10 rxns
21.136	SPEEDTOOLS TISSUE DNA Extraction Kit	50 rxns
21.137	SPEEDTOOLS TISSUE DNA Extraction Kit	250 rxns

Ref.	Product	Format
21.175	SPEEDTOOLS FOOD DNA Extraction kit	10 rxns
21.176	SPEEDTOOLS FOOD DNA Extraction kit	50 rxns
21.177	SPEEDTOOLS FOOD DNA Extraction kit	250 rxns
21.170	SPEEDTOOLS PLANT DNA Extraction kit	10 rxns
21.171	SPEEDTOOLS PLANT DNA Extraction kit	50 rxns
21.172	SPEEDTOOLS PLANT DNA Extraction kit	250 rxns
21.140	SPEEDTOOLS RNA Virus Extraction kit	10 rxns
21.141	SPEEDTOOLS RNA Virus Extraction kit	50 rxns
21.142	SPEEDTOOLS RNA Virus Extraction kit	250 rxns
21.210	SPEEDTOOLS Total RNA Extraction kit	10 rxns
21.211	SPEEDTOOLS Total RNA Extraction kit	50 rxns
21.212	SPEEDTOOLS Total RNA Extraction kit	250 rxns

[www.biotools.eu](http://www.biotools.eu)



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