







rRNA depletion for any mammalian species

# Pan-Mammal riboPOOL

The Pan-Mammal riboPOOL is designed to efficiently remove ribosomal RNA (rRNA) from total RNA samples of any mammalian species. The riboPOOL includes probes to deplete cytosolic and mitochondrial rRNAs.

- The Pan-Mammal riboPOOL offers:**
-  Efficient rRNA-depletion for any flowering plant
  -  Possibility to combine with other riboPOOL
  -  Fast and enzyme-free workflow
  -  Compatible with lab-automated workflows

## Pan-Mammal riboPOOL Performance

The Pan-Mammal riboPOOL consistently removes > 90% of rRNA from total RNA samples originating from different mammalian species (Figure 1). The riboPOOL is designed to target different conserved regions of each rRNA, ensuring a high wide taxonomic coverage across the clade (Figure 2, Figure 3).

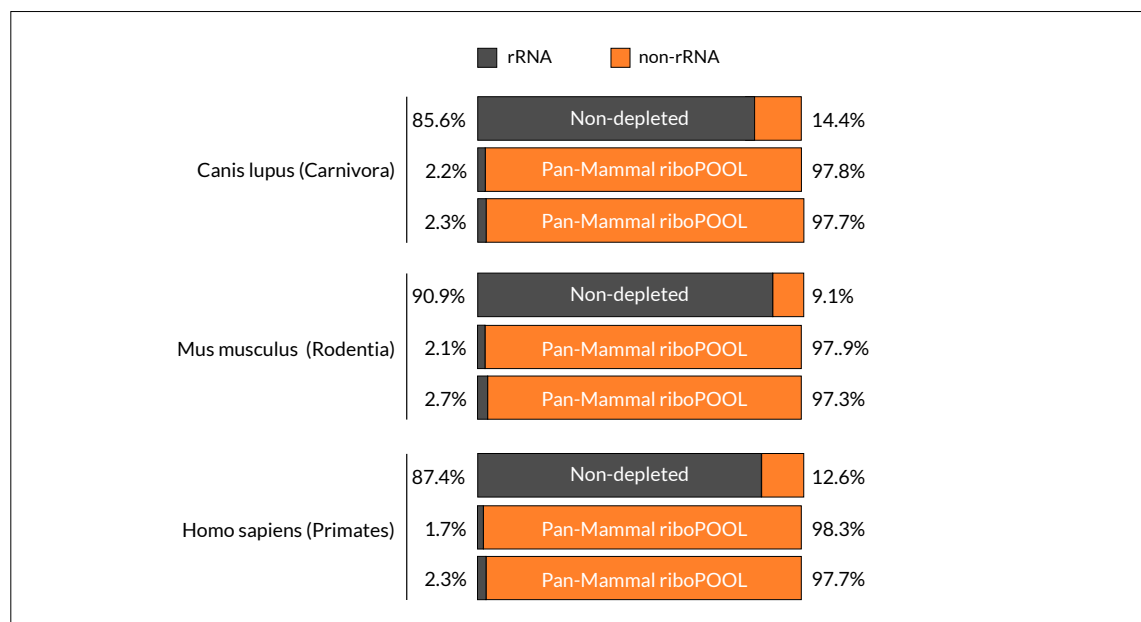


Figure 1 Percentage of rRNA reads of different mammal species before and after rRNA depletion with the Pan-Mammal riboPOOL.



### Pan-Mammal riboPOOL probes mapping to 28S

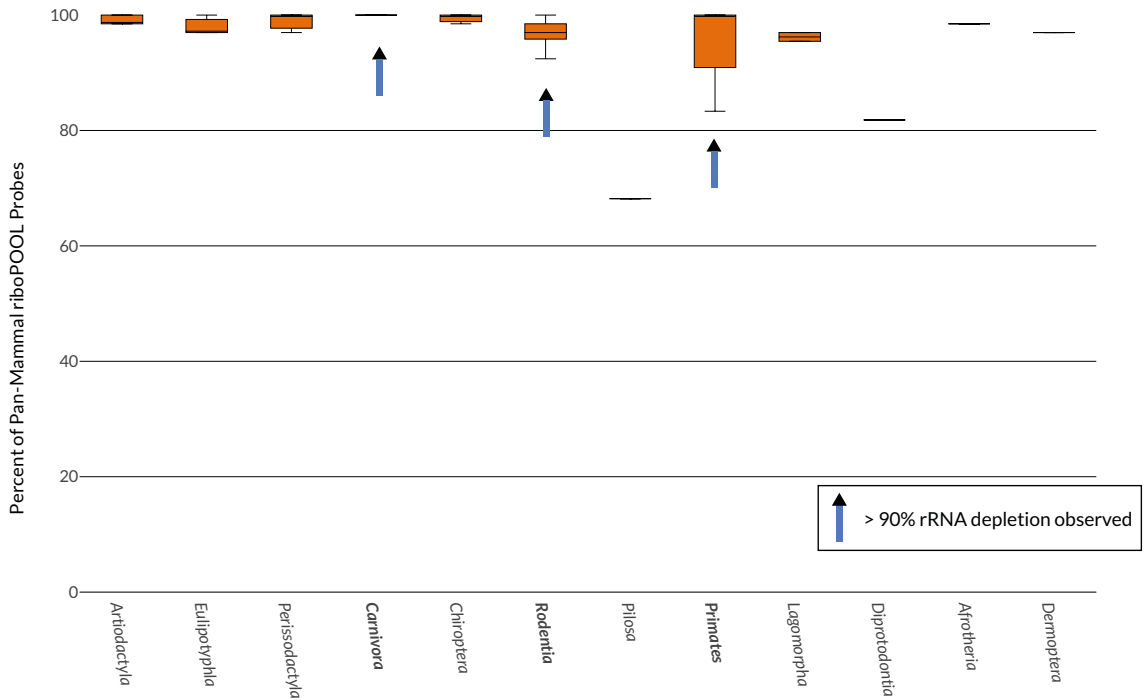


Figure 2 Percentage of Pan-Mammal riboPOOL probes exhibiting > 90% identity with their target 28S rRNA sequence of > 75 mammalian species. Blue arrows indicate groups for which ribodepletion rates were validated with RNA-Seq. Thin black lines indicate groups in which the coverage value is identical for all species included.

### Pan-Mammal riboPOOL probes mapping to 18S

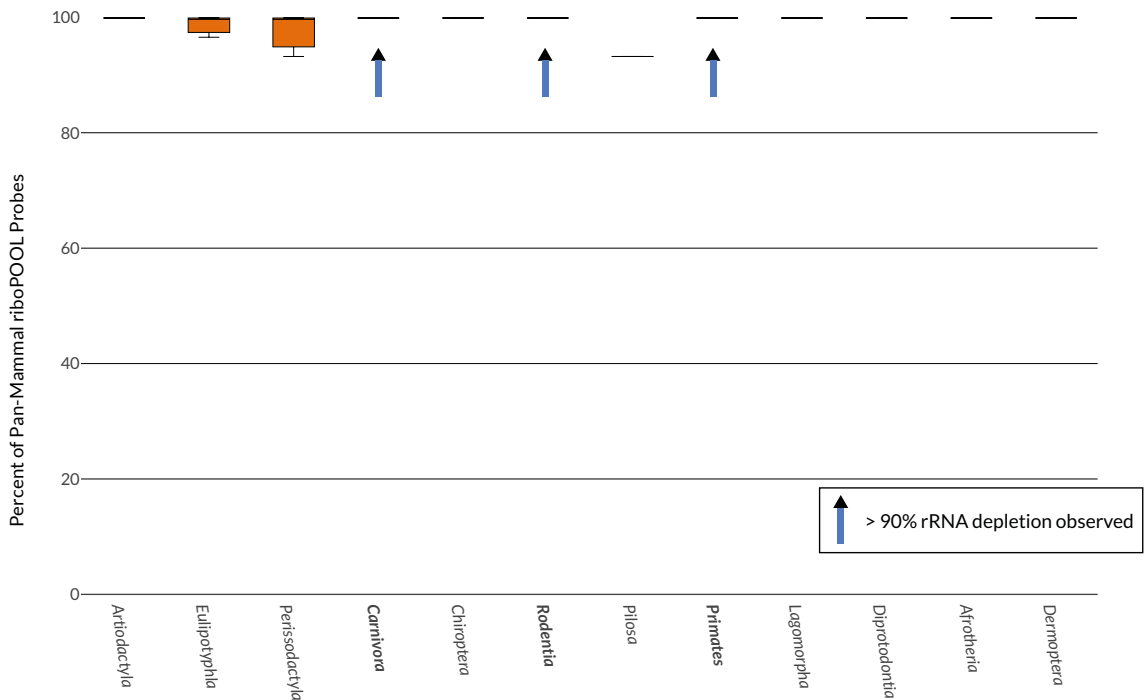
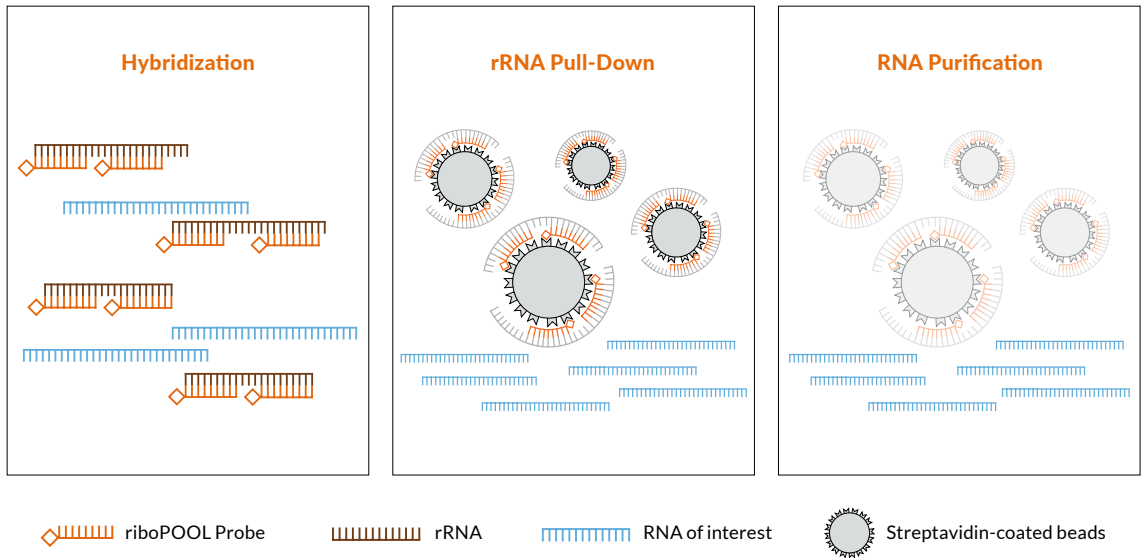


Figure 3 Percentage of Pan-Mammal riboPOOL probes exhibiting > 90% identity with their target 18S rRNA sequence of > 75 mammalian species. Blue arrows indicate groups for which ribodepletion rates were validated with RNA-Seq. Thin black lines indicate groups in which the coverage value is identical for all species included.


## Workflow


The Pan-Mammal riboPOOL consist of a complex pool of biotinylated probes specifically design to target and remove rRNAs from mammalian total RNA samples. Hybridization of riboPOOL probes to rRNA fragments is followed by rRNA pull-down via streptavidin-coated magnetic beads and RNA purification. The entire workflow can be completed in under 2 hours and can easily be integrated into established RNA-Seq workflows.



## Ordering

The Pan-Plant riboPOOL can be ordered in two different formats:

 Full kit: includes all necessary reagents for ribodepletion. For post-depletion RNA purification, the kit allows to choose between magnetic beads or ethanol precipitation.

 Probes only. Streptavidin beads and buffers are not included.

### riboPOOL Kit

12rxn Catalogue Nr. dp-K012-41	24rxn Catalogue Nr. dp-K024-41	96rxn Catalogue Nr. dp-K096-41
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### riboPOOL Probes

12rxn Catalogue Nr. dp-P012-41	24rxn Catalogue Nr. dp-P024-41	96rxn Catalogue Nr. dp-P096-41
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## Distributors

Europe		
Country/Region	Distributor	Website
Czech Republic	Eastport Life Sciences	www.eastport.cz
Germany - Austria	Biozym Scientific	www.biozym.com
Italy	Diatech Lab Line	www.labline.it
Netherlands	Westburg Life Sciences	www.westburg.eu
Scandinavia	LabLife Nordic AB	www.lablifenordic.com
Spain	Labclinics	www.labclinics.com
United Kingdom	Cambridge Bioscience	www.bioscience.co.uk
North America		
Country/Region	Distributor	Website
USA - Canada	Galen Lab Supplies	www.galenmolecular.com
Asia		
Country/Region	Distributor	Website
China	Bluescape	www.bluescape.cc
	Pukairui	www.pukairui.com
Israel	Eisenberg Bros. Ltd	www.eisenbros.co.il
Japan	Bizcom Japan	www.bizcomjapan.co.jp
South Korea	Koma Biotech	www.komabiotech.co.kr
Taiwan	Interlab CO., LTD,	www.interlab.com.tw
United Arab Emirates	Biomss	www.biomss.com

## Customer Support

For customer and technical support you can send us an email at [info@sitools.de](mailto:info@sitools.de)  
 Alternatively, you can call us at +49 89 89557286  
 Protocols and MSDS are available in the Resources section at  
[www.sitoolsbiotech.com](http://www.sitoolsbiotech.com)

