

■ **GeneAll® Kits for RNA Purification from Stabilized Tissues and Cells**

Products	Scale	Size	Cat. No.	Type
RiboEx™	mini	100	301-001	solution
		200	301-002	
Hybrid-R™	mini	100	305-101	spin
Hybrid-R™ Blood RNA	mini	50	315-150	spin
Hybrid-R™ miRNA	mini	50	325-150	spin
RiboEx™ LS	mini	100	302-001	solution
		200	302-002	
Riboclear™	mini	50	303-150	spin
Riboclear™ plus!	mini	50	313-150	spin
Ribospin™	mini	50	304-150	spin
Ribospin™ vRD	mini	50	302-150	spin
Ribospin™ vRD plus!	mini	50	312-150	spin
Ribospin™ Plant	mini	50	307-150	spin
Allspin™	mini	50	306-150	spin
RiboSaver™	mini	100	351-001	solution

■ **GeneAll® Kit and Enzyme for cDNA synthesis**

Products	Scale	Size	Cat. No.	Type
HyperScript™ Reverse Transcriptase		10,000 U	601-100	(200 U/μℓ)
HyperScript™ RT Master mix		0.5 ml × 2 tubes	601-710	solution
HyperScript™ RT Premix		96 tubes, 20 μℓ	601-602	solution
HyperScript™ Onestep RT-PCR Master mix		0.5 ml × 2 tubes	602-110	solution
HyperScript™ Onestep RT-PCR Premix		96 tubes, 20 μℓ	602-102	solution
HyperScript™ First strand Synthesis Kit		50 reaction	605-005	solution
ZymAll™ RNase Inhibitor		10,000 U	605-010	solution
ZymAll™ RNase Inhibitor		4,000 U	605-004	solution

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RiboSaver™
RNA stabilization solution

For research use only

Cat. No. 351-001

Size : 100 ml

■ **Kit Contents**

Components	Quantity	Cat. No	Storage
RiboSaver™	100 ml	351-001	Room temperature

■ **Quality Control**

RiboSaver™ is manufactured in strictly clean condition, and its degree of cleanness is monitored periodically. For consistency of product, the quality certification process is carried out from lot to lot thoroughly and only the qualified is approved to be delivered.

■ **Storage Condition**

RiboSaver™ should be stored at room temperature and stable at least for 1 year.

Caution!

Storage at cold ambient temperature will cause precipitation in RiboSaver™. If precipitate is seen, heat the solution to 37°C and agitate it for re-solubilization.

■ **Description**

RiboSaver™ is a preservation solution to stabilize cellular RNA in biological specimens such as tissues and cultured cells. The harvested samples submerged in RiboSaver™ can be easily stored or transported at ambient temperature without any cooling method such as liquid nitrogen or dry-ice. RNA isolation from the samples stabilized by RiboSaver™ is compatible with most conventional or commercial RNA extraction methods.

How to use RiboSaver™



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▪ Animal tissue

Use fresh tissue only. Cut tissue samples to < 0.5 cm thick and transfer it carefully into a new tube. Completely submerge the dissected tissue in 5 ~ 10 volumes of RiboSaver™.

▪ Cultured cells

Harvest cultured cells to a new tube by centrifugation at 14,000 xg for 1 minute. Discard the supernatant as much as possible and resuspend the cell pellet thoroughly in residual supernatant or 50 ul of cold PBS. Add 5 ~ 10 volumes of RiboSaver™ and mix well by tapping or inverting.

Stability in RiboSaver™



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▪ To store at room temperature

Samples can be stored in RiboSaver™ up to 1 week at room temperature (15 ~ 25°C). Storage at high ambient temperature (30 ~ 37°C) is possible for up to 1 day.

▪ To store at 4°C

Samples can be stored in RiboSaver™ up to 1 month at 4°C without significant RNA degradation.

▪ To store at -20°C or below

Samples can be stored in RiboSaver™ up to several months at -20°C or below. Before stored in freezer, samples should be pre-incubated at 4°C overnight, and then transferred directly to -20°C or -80°C for long-term storage.

The RiboSaver™ solution stored at -20°C would not freeze but some precipitates may form.

There is no need to re-dissolve the precipitates that not affect subsequent RNA isolation.

In storage at -80°C, the whole solution including samples will be frozen. For RNA isolation, the solution needs to thaw completely at room temperature.

Storage temperature	Storage period
37°C	1 day
18 ~ 25°C	7 days
4°C	30 days
-20°C and below	Several months

RNA isolation from the samples in RiboSaver™



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▪ Animal tissue

Remove the RiboSaver™ solution by pipetting or take the tissue out from RiboSaver™ with sterile forceps. Immediately submerge the samples in the lysis solution for RNA isolation and continue according to the RNA isolation procedures.

▪ Cultured cells

Add 1 volume of cold PBS and mix well by inverting to reduce the density of RiboSaver™ solution. Centrifuge at 14,000 xg for 1 minute and discard the solution as much as possible. Add lysis buffer to the cell pellet immediately and continue according to the RNA isolation procedures.

- Precipitates formed in the preserved solution at cold temperature tend to disturb formation of cell pellet during spin down. Therefore it is recommended to transfer the preserved solution except the precipitates to a new tube before pelleting by centrifugation.