

flashPAGE RNA purification



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The flashPAGE™ Fractionator system is a fast, easy, and reliable method for isolating small nucleic acids shorter than 40bp.

- Ultra-fast PAGE purification of small RNAs - with standard gel run times of only ~12min
- Simple to use - just load your sample and run
- Convenient - no need for gel excision and elution

This system has been designed and optimised for the isolation of mature miRNA (19bp to 23bp) from longer precursor molecules and provides an efficient alternative to time consuming polyacrylamide gel electrophoresis (PAGE) and subsequent gel elution traditionally required for isolation of small nucleic acids. The system is comprised of the flashPAGE™ Fractionator apparatus, flashPAGE™ Pre-cast Gels, and the flashPAGE™ buffer kit.

Catalogue No	Alt. No	Description	Quantity
VYAM10010	AM10010	flashPAGE™ Pre-cast Gels (Type A)	10 gels
VYAM12200	AM12200	flashPAGE™ Reaction Clean-Up Kit	20 reactions
VYAM13100	AM13100	flashPAGE™ Fractionator Apparatus	1 unit
VYAM9015	AM9015	flashPAGE™ Buffer Kit (Type A)	20 reactions

mirVana™ miRNA isolation kits



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The mirVana™ miRNA isolation kits use a rapid procedure to isolate total RNA, including small RNAs such as microRNA (miRNA), small interfering RNA (siRNA), and small nuclear RNA (snRNA), from tissues and cells.

The mirVana™ miRNA isolation kit employs organic extraction followed by purification on a GFF (glass fibre filter) using specialised binding and wash solutions. The kit effectively recovers all RNA - from large mRNA and ribosomal RNA down to 10-mers - from virtually all cell and tissue types. The kit also provides reagents and a procedure to enrich the population of RNAs that are 200 bases and smaller, which enhances the sensitivity of small RNA detection by solution hybridisation, Northern analysis, and other methods. Although the mirVana™ miRNA isolation kit efficiently purifies all RNA larger than 10bp, it also includes procedures for isolating RNA fractions, specifically enriched or depleted in small RNA species.

The mirVana™ PARIS™ kit provides a unique and versatile procedure that permits quantitative recovery of native protein and all RNA species, including small RNAs such as miRNA, siRNA, snRNA, and snoRNA, from the same sample. The ability to isolate small RNA, total RNA, and protein from the same sample greatly simplifies the correlation of protein levels with mRNA and miRNA or siRNA levels.

Catalogue No	Alt. No	Description	Quantity
VYAM1560	AM1560	mirVana™ miRNA Isolation Kit	Up to 40 purifications
VYAM1561	AM1561	mirVana™ miRNA Isolation Kit (without phenol-must be purchased separately)	Up to 40 purifications
VYAM1556	AM1556	mirVana™ PARIS™ Kit	Up to 40 purifications

Purification kit, miRNA, low-throughput, Nucleospin miRNA



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Small and large RNA and total RNA purification, and isolation of total protein fraction.

- Silica membrane technology
- Format: mini spin columns
- Sample size: <107 cultured cells, <30mg human/tissue; <50mg plant tissue, <150µL reaction mixture
- Fragment size, small RNA: 18 to 200 bases
- Fragment size, large RNA: >200 bases
- Typical yield: 10µg small RNA; 95µg large RNA from 107 HeLa cells
- Binding capacity: 200µg
- Elution volume, 30µL to 100µL
- Preparation time: <45min (6 preps human/animal tissue, small and large RNA); <35min (6 preps human/animal tissue, small RNA only)
- Small RNA (18 to 200 bases)
- Large RNA (>200 bases)
- Total RNA (small and large RNA in one fraction), and isolate your total protein fraction