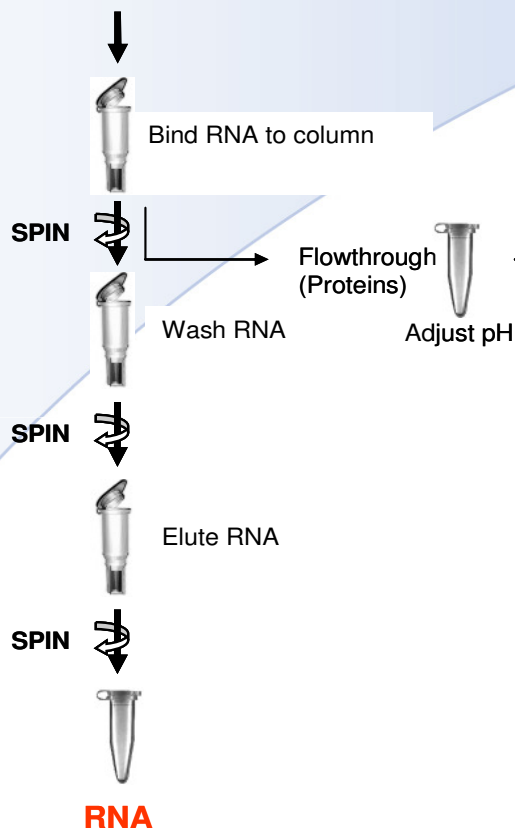


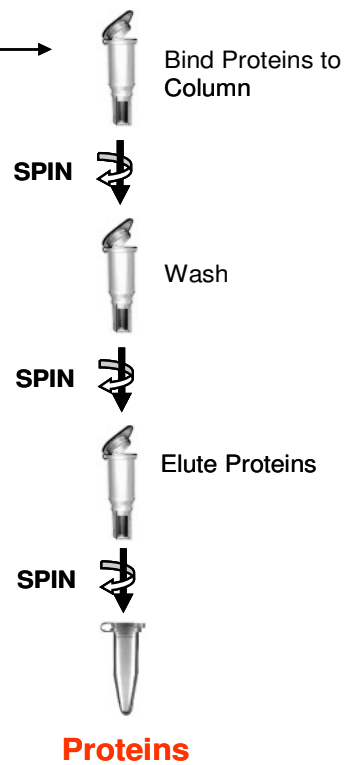
SERVA BluePrep 2in1 Kit

A. Purification of RNA

Lyse cells or tissue using **Lysis Solution**



B. Purification of Proteins



Flowthrough (Proteins)

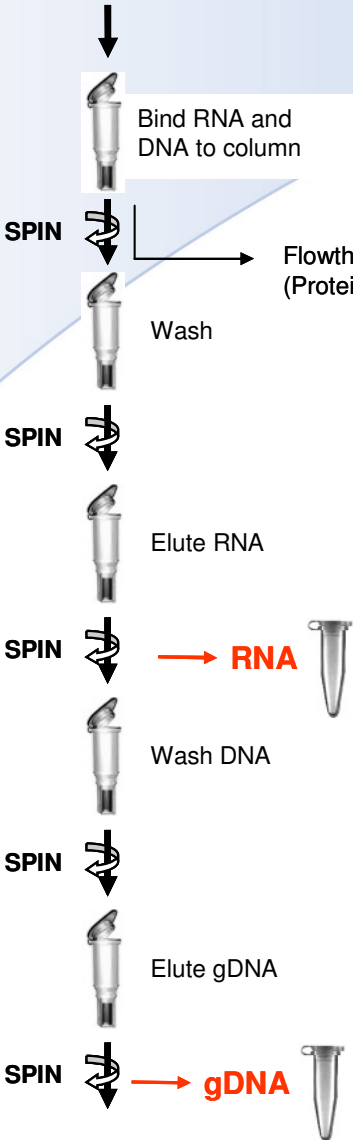
Adjust pH



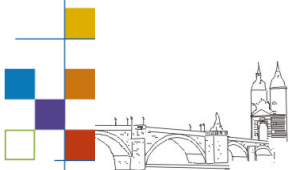
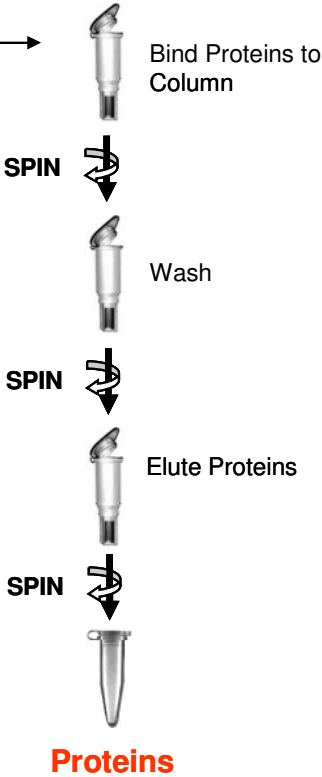
SERVA BluePrep 3in1 Kit

A. Purification of RNA and DNA

Lyse cells or tissue using Lysis Solution



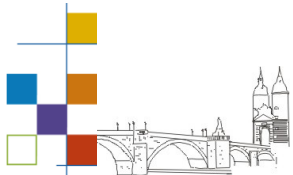
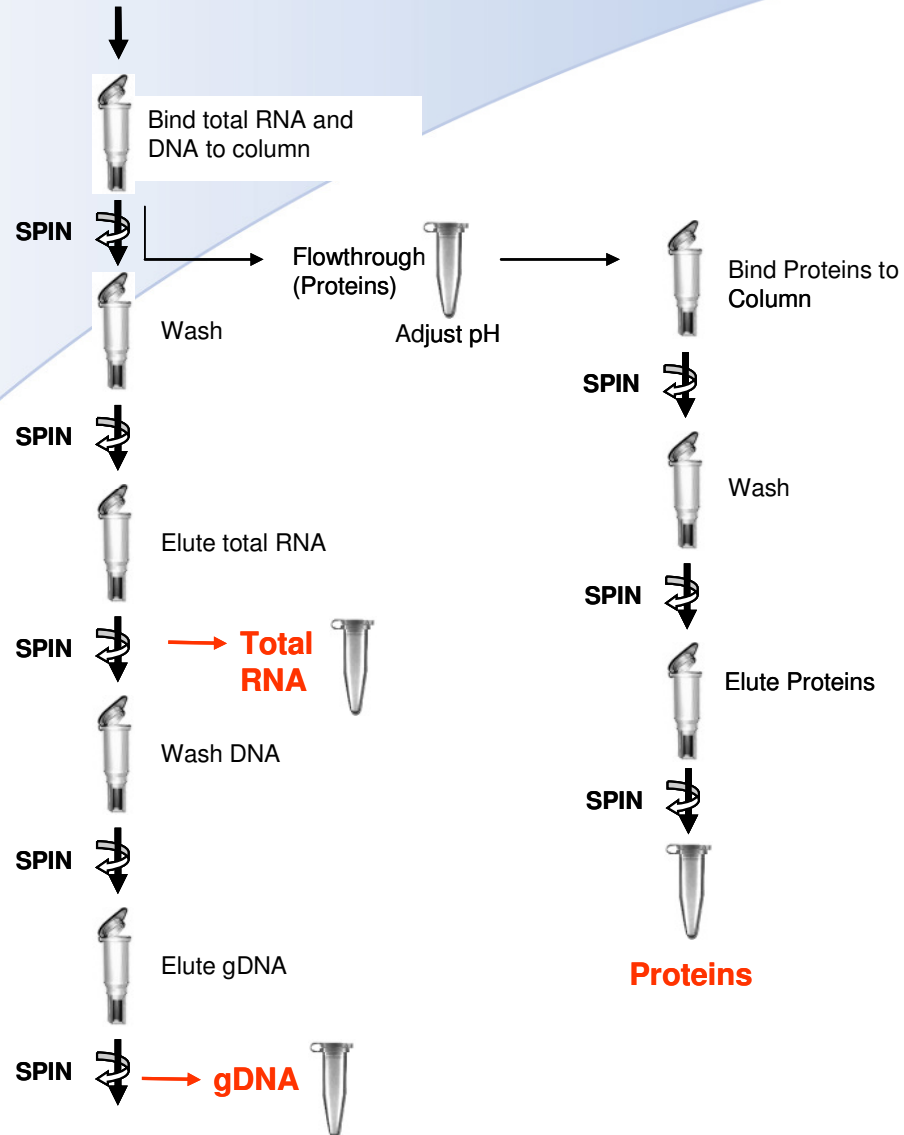
B. Purification of Proteins



SERVA BluePrep 4in1 Kit

A. Purification of Total RNA, gDNA and Proteins

Lyse cells or tissue using **Lysis Solution**



	SERVA <i>BluePrep</i> 2in1	SERVA <i>BluePrep</i> 3in1	Qiagen AllPrep DNA/RNA/Protein	Qiagen AllPrep DNA/RNA	Qiagen AllPrep RNA/Protein
Input Variety	Cultured Cell, Tissue, Bacteria, Yeast, Plant, Fungus	Cultured Cell, Tissue, Bacteria, Yeast, Plant, Fungus	Cultured Cell and Tissue	Cultured Cell and Tissue	Cultured Cell Only
RNA Isolation	Total RNA including small RNA species	Total RNA including small RNA species	Total RNA excluding small RNA species	Total RNA excluding small RNA species	Total RNA excluding small RNA species
Small RNA Isolation	All species, including detectable quantity of miRNA	All species, including detectable quantity of miRNA	Not Available	Not Available	Not Available
gDNA Isolation	Optional	Included	Included	Included	Not available
Protein Purification	Column-based True Purification	Column-based True Purification	Precipitation	Not available	Filter-based Partial Purification
Number of Columns	1 for both RNA and Protein	1 for RNA, DNA and Protein	Total 2 (1 for RNA and 1 for gDNA)	Total 2 (1 for RNA and 1 for gDNA)	Total 3 (2 for RNA and 1 for Protein)
Total Number of RNA Spins	4	4	7	7	7
Number of Spin for gDNA	Not available	2	3	3	Not available
Number of Spin for Protein	5	5	1 (10 minutes) + 1	Not available	1 (10 minutes) + 1
Protein Precipitation	Not Required	Not Required	Required	Not available	Required
Mass Spec Applicability Without Further Purification	Yes	Yes	No	No	No
SDS-PAGE	Direct Use	Direct Use	Direct Use	Not available	Requires Precipitation
Bradford Assay	Compatible	Compatible	Not compatible	Not available	Not compatible

	SERVA <i>BluePrep</i> 2in1	SERVA <i>BluePrep</i> 3in1	Invitrogen Ambion PARIS
Input Variety	Cultured Cell, Tissue, Bacteria, Yeast, Plant, Fungus	Cultured Cell, Tissue, Bacteria, Yeast, Plant, Fungus	Cultured Cell and Tissue
Sample Split	Not Required	Not Required	Required
RNA Isolation	Total RNA including small RNA species	Total RNA including small RNA species	Total RNA excluding small RNA species, Cytoplasmic or Nuclear RNA
Small RNA Isolation	All species, including detectable quantity of miRNA	All species, including detectable quantity of miRNA	Not Available
Protein Purification	Column-based True Purification	Column-based True Purification	Not available, Crude Lysate
Number of Columns Employed	1 for both RNA and Protein	1 for RNA, DNA and Protein	1 for RNA only
Total Number of RNA Spins	4	4	7
Additional Number of Spin for gDNA	Not available	2	Not available
Additional Number of Spin for Protein	5	5	Not available
Long Incubation Time for Nuclease-Treatment of Protein	Not Required	Not Required	Required
Mass Spec Applicability Without Further Purification	Yes	Yes	No
Protein Applicability: SDS-PAGE	Direct Use	Direct Use	Direct Use (but requires nuclease-treatment)

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