



## AMPure XP & RNAClean XP Reagents for DNA/RNA Cleanup

The protocol describes the cleanup of either DNA or RNA from enzymatic reactions. Starting input volumes of 50  $\mu$ L from sample is bound by SPRI beads. The bound nucleic acid and SPRI beads are captured with a magnet and the residual solution is transferred to waste. The beads are then washed to remove contaminants, and the nucleic acids are eluted from the beads in nuclease-free water. Here we describe the method set up on the Biomek i5 Nucleic Acid Cleanup Solution

### Extraction Process Workflow

#### AMPureXP reagent workflow



#### RNAClean XP reagent workflow



### Total Estimated Time

		AMPure XP	RNAClean XP
96 Samples	Hands-on Time	15 min	15 min
	<b>Total Time</b>	<b>58 min</b>	<b>58 min</b>
384 Samples (4 plates)	Hands-on Time	15 min	15 min
	<b>Total Time</b>	<b>1 hr</b>	<b>1 hr</b>

### Input Material, Reagents, Consumables

Description	Compatible Kit	Storage Temperature
DNA from enzymatic reaction	AMPure XP	4°C – -80°C
RNA from enzymatic reaction	RNAClean XP	4°C – -80°C

### Reagents

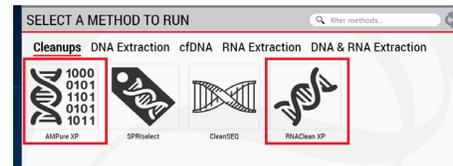
Description	Compatible Kit	Storage Temperature
AMPure XP	Beckman Coulter Life Sciences	4°C
RNAClean XP	Beckman Coulter Life Sciences	4°C
100% Ethanol (Molecular Grade)	User	Room Temp
Nuclease-free water (Molecular Grade)	User	Room Temp

## Consumable Plastics

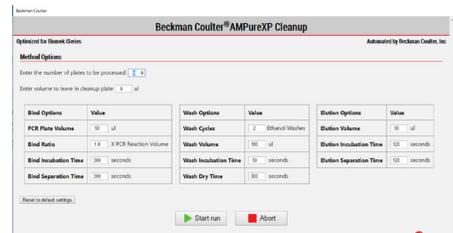
Description	Supplier	Quantity needed for 1 plate (96 Samples)	Quantity needed for 4 plates (384 Samples)
230µL PIPETTE TIPS, Sterile Filtered	Beckman	4	1
Hard-Shell® Thin-Wall 96-Well Skirted PCR Plates, clear wells	BioRad	8	2
RESERVOIR 96 WELL PYRAMID PP 287ML 25/CS	Agilent	3	3

## Method Overview

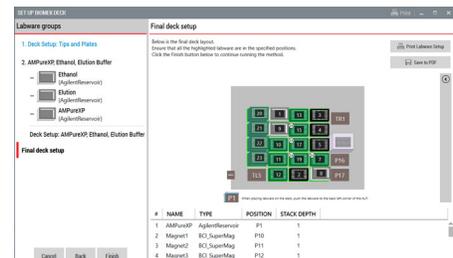
**Biomek Method Launcher (BML)** organizes methods into useful groups



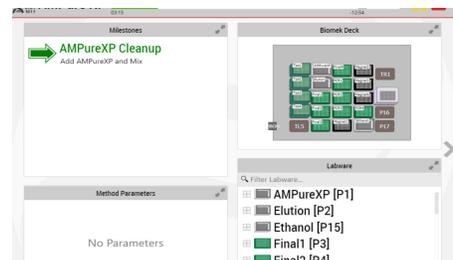
**Method Options Selector (MOS)** enables flexibility specific to your sample process batch size, process options and workflow customization



**Guided Labware Setup (GLS)** provides clear instructions to set up the instrument deck with calculated reagent volume and step-by-step instructions to prepare reagents based on options selected



**Run Status Screen (RSS)** shows progress of run, current activity and time to completion



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2023-GBL-EN-102912-v2

