Materials List for

ACT1-CUP1 Assays Determine the Substrate-Specific Sensitivities of Spliceosomal Mutants in Budding Yeast

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jove.com/video/63232

Materials

Name	Company	Catalog Number	Comments
1.5 mL sterile microcentrifuge tubes	Fisher Scientific	05-408-129	Or comparable item from a different manufacturer.
2 mL sterile microcentrifuge tubes	Fisher Scientific	05-408-138	Or comparable item from a different manufacturer.
50 mL sterile centrifuge tubes	Fisher Scientific	07-201-332	Or comparable item from a different manufacturer.
96-well round bottom microplate	Fisher Scientific	07-200-760	Or comparable item from a different manufacturer.
190 proof ethanol	Fisher Scientific	22-032-600	Or comparable item from a different manufacturer.
500 mL Filter System (0.22 µm)	CellTreat Scientific Products	229707	Or comparable item from a different manufacturer.
Agar	Fisher Scientific	BP1423-500	Any molecular grade agar will work.
Autoclave	Tuttnauer	3870EA	Or comparable item from a different manufacturer.
Bunsen burner	Humboldt	PN6200.1	Or comparable item from a different manufacturer.
Cell Density Meter	VWR	490005-906	Or other spectral device that can measure absorbance at 595 nm.
Copper sulfate Pentahydrate	Fisher Scientific	LC134051	Or comparable item from a different manufacturer.
Digital imaging system	Cytiva	29399481	ImageQuant 4000 (used for Figure 3), Amersham ImageQuant 800, or comparable item from a different manufacturer.
Dropout mix (-Leu)	USBiological Life Sciences	D9525	Use the appropriate drop out mix for your experiment. It is possible you will be using a yeast nutrient marker for your query perturbation also. In that case, the drop out mix should be for that marker and Leu
D-Glucose	Fisher Scientific	AAA1682836	Or comparable item from a different manufacturer.

Gel band quantifying software	Cytiva	29-0006-05	ImageQuant TL v8.1 (used for figure 5A) or comparable item from a different manufacturer.
Hand held camera	Nikon	D3500	Or comparable item from a different manufacturer.
Near infra-red gel imaging device	Cytiva	29238583	Amersham Typhoon NIR (used for Figure 5a) or comparable item from a different manufacturer.
Laboratory grade clamp	Fisher Scientific	05-769-7Q	Or comparable item from a different manufacturer.
Laboratory grade stand and clamp	Fisher Scientific	12-000-101	Or comparable item from a different manufacturer.
Magnetic stir bars	Fisher Scientific	14-513-51	Or comparable item from a different manufacturer.
Pin replicator	VP Scientific	VP 407AH	
Semi-micro disposable cuvettes	VWR	97000-590	Or comparable item from a different manufacturer.
Shaker	JEIO Tech	IST-3075	Or comparable item from a different manufacturer.
Spectrophotometer	Biowave	80-3000-45	Or any spectophotometer that can measure the absorbance at 600 nm.
Square plates	VWR	102091-156	Circular plates may also be used though are more challenging if using a pin replicator.
Stir plate	Fisher Scientific	11-520-16S	Or comparable item from a different manufacturer.
Yeast nitrogen base	USBiological Life Sciences	Y2025	Or comparable item from a different manufacturer.