

Materials List for:

Combining Magnetic Sorting of Mother Cells and Fluctuation Tests to Analyze Genome Instability During Mitotic Cell Aging in *Saccharomyces cerevisiae*

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Materials

Name	Company	Catalog Number	Comments
EZ-Link Sulfo-NHS-LC-Biotin	Thermo Scientific	21335	100 mg
Anti-Biotin Microbeads	Miltenyi Biotec	130-090-485	2 ml MicroBeads conjugated to monoclonal mouse anti-biotin antibodies (isotype: mouse IgG1)
MACS LS columns	Miltenyi Biotec	130-042-401	25 columns suitable for QuadroMACS separator
QuadroMACS separator	Miltenyi Biotec	130-090-976	Separator Only
QuadroMACS Starting Kit	Miltenyi Biotec	130-091-051	Includes: QuadroMACS Separator (130-090-976), MACS MultiStand (130-042-303), LS Columns (130-042-401), MACS 15 ml Tube Rack (130-091-052), One 2 ml unit of MACS MicroBeads. Note: Alternative systems include Dynabeads Biotin Binder and MagnaBind Magnetic Beads
BD Falcon Cell Strainer, 40 µm	BD Biosciences	352340	40 µm for use with BD Falcon 50 ml Conical Tubes. 50 per pack
Trypan Blue	Sigma-Aldrich	T6146	Powder, filtering after dissolving important to remove particulates
Wheat germ agglutinin Alexa Fluor488	Life Technologies	W11261	Conjugates with different excitation/emission spectra could also be used
ProLong Gold antifade reagent	Life Technologies	P36930	10 ml, other antifade reagents could also be used