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Cell Growth Media Recipes

Maintain the following reagents at:

- All media at 4°C
- FBS at -20°C
- Pen/Strep at -20°C
- Glucose at 4°C
- IL-3 at -20°C
- Geniticin G418 at 4°C
- Puromycin -20°C
- Blasticidin at -20°C

Since some antibiotics and growth factors may be prone to degradation during long-term storage and frost/thaw cycles, some recipes suggest aliquoting media to indicated volumes before the addition of certain reagents (indicated in blue).

L1210 Carbon Dioxide Independent Media

L-15 (with L-Glutamine)	500ml
5% FBS	25ml
1% Pen/Strep	5ml
0.4% Glucose (stock concentration 45%)	5ml

L1210 Carbon Dioxide Independent Media with FUCCI

L-15 (with L-Glutamine)	500ml
5% FBS	25ml
1% Pen/Strep	5ml
0.4% Glucose (stock concentration 45%)	5ml

Aliquot immediately before passaging

L-15 Media (as prepared above)	10ml
0.05% Blasticidin (for Geminin resistance cassette)	5ul
0.8% Geniticin (for Cdt1 resistance cassette)	80ul

FL5.12 Carbon Dioxide Independent Media

L-15 (with L-Glutamine)	500ml
10% FBS	50ml
1% Pen/Strep	5ml

Aliquot fresh every week

L-15 Media (as prepared above)	50ml
1% Geniticin (for Bcl-2 resistance cassette)	0.5ml

Aliquot immediately before passaging

L-15 + G418 Media	10ml
0.01% IL-3	1ul

FL5.12 Carbon Dioxide Independent Media with FUCCI

L-15 (with L-Glutamine)	500ml
10% FBS	50ml
1% Pen/Strep	5ml

Aliquot fresh every week

L-15 Media (as prepared above)	50ml
1% Geniticin G418 (for Bcl-2 resistance cassette)	0.5ml

Aliquot immediately before passaging

L-15 + G418 Media (as prepared above)	10ml
0.01% IL-3	1ul
0.05% Blasticidin (for Geminin resistance cassette)	5ul
0.05% Puromycin (for Cdt1 resistance cassette)	5ul

FL5.12 Carbon Dioxide Dependent Media

RPMI (with HEPES, L-Glutamine)	500ml
10% FBS	50ml
1% Pen/Strep	5ml

Aliquot fresh every week

RPMI Media (as prepared above)	50ml
1% Geniticin (for Bcl-2 resistance cassette)	0.5ml

Aliquot immediately before passaging

RPMI + G418 Media (as prepared above)	10ml
0.01% IL-3	1ul