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Product Data Sheet

LILY

Single cell cloning medium for CHO DG44 transfected cells.

Serum free, animal component free.

BENEFITS

Developed for single cell cloning of CHO DG44 transfected cells. LILY medium is suitable for manual or automatic single cell cloning. 2-3 weeks after seeding the single cells, the cells reach enough biomass to be transferred to the next culture dish.

LILY offers

Serum-free and animal component free: Reduces the risk for animal derived contaminants.
Fully defined: It doesn't contain hydrolysates or other complex additives. Thus, process variability is reduced. It contains recombinant proteins.
Antibiotic-free: No risk of antibiotic traces, hidden contamination and endotoxins.

SPECIFICATION

Regulatory	Free of serum, animal component, hydrolysate, antibiotic. Contains recombinant proteins w/ phenol red w/o L-Glutamine
Available Form	Liquid
Cell Line	CHO DG44 transfected suspension cells
Storage Cond.	2-8 ^{0}C, protect from light
Application	Research and manufacturing

APPLICATION

PERFORMING SINGLE CELL CLONING

- Sub-culture the cells in stock culture by splitting the cells every 3rd day. IRIS S medium can be used for stock culture.
- Inoculate stock culture flask with 3 x10^5 viable cells/mL.
- 250 mL total volume, 50 mL volume directly after inoculation.
- Incubator settings: 36.5 °C, 7 % CO_2, humidified, 125 rpm shaking rate.
- Prepare conditional medium from day 2 culture. Take 50 mL cell suspension centrifuge (2000 rpm, RT, 10 min). Sterile filter the supernatant (0.2 µm).
  NOTE: Conditional medium is stable for 2 weeks at 4 °C.
- Take aliquot of cells 2 days after inoculation of shake flask for single cell cloning.
- Mix LILY single cell cloning medium and conditional medium in a ratio of 1.6 : 1.
- Perform single cell cloning by adjusting manually 0.3 cells/mL or 9500 cells/mL by Solentim VIPs.
- Transfer the 96 well-plates quickly to incubator.
- 2 hours later stick 3/4 of edges of 96 well-plates with parafilm and transfer the plates in to static incubator.
- After seeding the cells refresh the plates at day 10, take out 100 µL supernatant without touching the cells and add 100 µL pre warmed LILY medium to enhance growth of clones.

PERFORMANCE

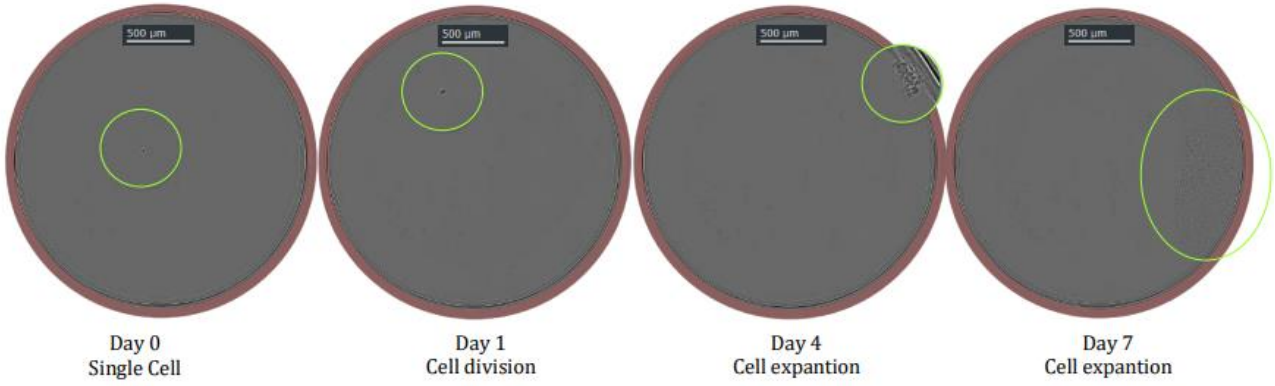

Figure 1: Clonal growth of CHO-DG44 cells, seeded with LILY medium in 96w plate. To observe the expansion of clones, images were taken from Solentim VIPS at day 0, day 1, day 4, and day 7.

MEDIA SUPPLY SECURITY

Eminence 埃美益	CAPRICORN SCIENTIFIC
	MADE IN GERMANY

- Our media are manufactured by partners, Eminence Scientific (China) and Capricorn Scientific (Germany), ensuring a consistent global supply from two strategic locations.
- Produced under GMP standards by Eminence Scientific or Capricorn Scientific, our media comply with EMA and FDA regulations.
- Available in liquid form, in GMP or non-GMP grades, tailored to customer specifications.
- GMP batch sizes reach approximately 2,000 L of liquid media.
- Media are supplied directly by Eminence Scientific or Capricorn Scientific.
- Through our extensive distribution network, we deliver to nearly every country worldwide.
- We invite our valued customers to tour our cutting-edge production facilities in Germany or China.

TECHNICAL SUPPORT

Developer	Contact
florabio	info@florabio.com.tr

The developer of the culture media and solutions is Florabio A.S. We welcome our valued customers to contact us about any questions you might have in media characteristics or application of medium in your lab. We would be please to share our experience with you.

ORDERING INFORMATION

Name	Application	Formulation	Volume	Catalogue number
LILY	Culture medium	Liquid	1 L	LLY1-L1
LILY	Culture medium	Liquid	0.5 L	LLY1-L05

Florabio AS
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