



LEXSY Plating Kit comfort

components for solid medium

brain-heart infusion- and fetal-calf-serum-based, with NC membranes, spatula, dishes and pipettes

Cat. No.	Amount
ML-451	for 40 plates

For general laboratory use. Not intended for human or animal diagnostic or therapeutic uses.

Shipping: Shipped at ambient temperature/on gel packs

Storage Conditions: store components as indicated on individual labels

Shelf Life: 12 months

Description:

All-inclusive kit for preparation of solidified medium for clonal selection of *Leishmania tarentolae*.

Content:

- 2 x 250 ml of Agar base
- 400 ml of buffered liquid medium:
This component is provided in excess to allow for individual batches.
- 2 x 50 ml heat-inactivated fetal calf serum (iFCS)
- 2 ml of Hemin stock solution, 500x (Cat.-No. ML-108S):
0,25% solution of Hemin in 30% Triethanolamine, sterile
- 5 ml of Pen-Strep stock solution, 200x (Cat.-No. ML-105S):
10.000 units of penicillin (base) and 10.000 µg of streptomycin (base)/ml as penicillin G sodium salt and streptomycin sulfate in 0.85% saline, sterile
- 40 pcs. Nitrocellulose membranes diameter 82 mm:
for easy plating, fluorescence monitoring and transfer of colonies to alternative conditions (e.g. induction of the LEXSY T7 polymerase-based gene expression)
- 40 pcs. Petri dishes diameter 90 mm
- 40 pcs. Plating spatula in single bags
- Serological pipettes: 4 x 25 ml, 2 x 10 ml, 2 x 2 ml

All components are provided sterile.

Storage conditions:

- Agar base:
Store at room temperature
Stable for 12 months
- Buffered liquid medium:
Store at 4 °C
Stable for 12 month
- iFCS:
Store < -20 °C
Stable for 12 month
- Hemin stock solution, 500x:
Store at 4 °C in the dark
Stable for 12 month
- Pen-Strep stock solution, 200x:
Store at -20 °C
Stable for 12 month

Preparation of 500 ml LEXSY plating medium (20 plates, each 25 ml):

- Microwave-melt 250 ml Agar base in provided glass flask and keep at 55 °C.
- Add pre-warmed (37 °C) buffered liquid medium to ca. 400 ml.
- Add 50 ml iFCS, 1 ml Hemin stock and 2.5 ml Pen-Strep.



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- Fill with buffered liquid medium to 500 ml.
- Add appropriate antibiotics (not provided).
- Pour plates with 25 ml pre-warmed (55 °C) serological pipette, avoid air bubbles.
- After solidification, dry the plates open under the laminar flow box for exactly 10 min, than store them closed bottom-up.
- After plating, seal plates with parafilm and incubate bottom-up for 5 - 9 days at 26 °C until colonies appear.

Prepare the plates freshly on the day of plating!