DATA SHEET

Jena Bioscience

LEXSY Plating Kit basic

components for solid medium

brain-heart infusion-based, without FCS, NC membranes, spatula, dishes & serological pipettes

Cat. No.	Amount
ML-453	for 40 plates

For research use only! 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:
Core kit for preparation of solidified medium for clonal selection of *Leishmania tarentolae*. Plasticware and inactivated bovine serum (iFCS) to be provides by customer.

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 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

All components are provided sterile.

This kit does **not contain** inactivated bovine serum (iFCS), nitrocellulose membranes, spatula, dishes, pipettes which are provided with the **LEXSY Plating Kit comfort** (Cat.-No. ML-451).

Storage conditions:

- *Agar base*:
  Store at room temperature
  Stable for 12 months
- *Buffered liquid medium*:
  Store at 4 °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* (not provided), 1 ml *Hemin* stock and 2.5 ml *Pen-Strep*.
- 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

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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!