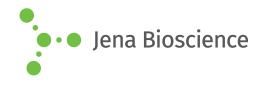
## **DATA SHEET**





## ■ LEXSY Cultivation Kit T7-TR

contains LEXSY host T7-TR for inducible expression

Cat. No.	Amount
LT-111	1 Kit

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

Shipping: Shipped on dry ice/on gel packs

Storage Conditions: Store components as indicated on individual

labels

Shelf Life: See individual components

#### **Description:**

The LEXSY Cultivation Kit T7-TR was developed for initial cultivation and establishment of *Leishmania tarentolae* laboratory strain T7-TR in suspension culture.

#### Content:

3 vials with 1.6 ml each of frozen glycerol stocks of LEXSY host T7-TR each

(Leishmania tarentolae strain T7-TR expressing bacteriphage T7 RNA polymerase and TET repressor)

Upon arrival the glycerol stocks must be stored at -80 °C or inoculated into the provided LEXSY BHI liquid medium. Do not thaw and re-freeze the stocks.

#### 50 ml LEXSY BHI liquid medium complete

For initial inoculation, contains Hemin, Nourseothricin (NTC), LEXSY Hygro and PenStrep.

Store at 4  $^{\circ}\text{C}\text{,}$  stable for 2 weeks

## 37 g LEXSY BHI powder

 $\overline{2x}$  18.5 g for preparation of 2x 500 ml LEXSY BHI growth medium. Store at ambient temperature, stable for 3 years

#### 2 ml Hemin stock solution, 500x

0,25~% solution of porcine Hemin in 30 % Triethanolamine for 1 L LEXSY BHI medium

Store at 4 °C in the dark, stable for 6 months

#### 5 ml Pen-Strep stock solution, 200x

10.000 units/ml of penicillin (base) and 10.000  $\mu$ g/ml of streptomycin (base) in 0.85 % saline, for 1 L LEXSY BHI medium. Store at -20 °C, stable for 6 months

1 ml Nourseothricin (NTC) and 1 ml LEXSY Hygro

For maintenance of T7 polymerase and TET repressor genes. Store at -20 °C, stable for 6 months

Store at -20°C, stable for o months

4 cryo vials with 0.4 ml 80% glycerol each, sterile For preparation of glycerol stocks.

Store at ambient temperature, stable for 6 months

3 culture flasks for 10 ml medium

For initial inoculation.

#### Biosafety level:

1, Non-pathogenic

#### Source of wild type organism:

Tarentola annularis

#### Reactivation of LEXSY host:

Thaw glycerol stock on ice for ca. 20 minutes and inoculate the entire



# **DATA SHEET**





## LEXSY Cultivation Kit T7-TR

contains LEXSY host T7-TR for inducible expression

content of the vial into 10 ml of LEXSY BHI medium in one of the provided cell culture flasks. Incubate at 26  $^{\circ}$ C in the dark and dilute as required.

### Preparation of LEXSY BHI growth medium:

Dissolve 37 g/l LEXSY BHI powder in deionized water and autoclave max. 15 min at 121 °C. Add Hemin, Nourseothricin (NTC), LEXSY Hygro and PenStrep to 1x final concentration. Store at 4 °C and use within two weeks.

#### Preparation of glycerol stocks:

Add 1.2 ml of growing culture (ca. 6x10<sup>7</sup> cells/ml) to a vial with 0.4 ml 80 % glycerol, mix, incubate 10 min at RT, 1 h on ice and over night at -20 °C. Transfer to -80 °C. Strains can be stored this way for several years.