

LEXSY BHI - Powder Media Kit

Brain-heart-infusion based (incl. Hemin and Pen-Strep stock solutions)

Last update: Jun 02, 2009

	Cat.-No.	Components	Size
	ML-412S	37 g powder 2 ml Hemin 5 ml Pen-Strep	For 1 L medium
	ML-412L	185 g powder 10 ml Hemin 25 ml Pen-Strep	For 5 L medium
	ML-412XL	370 g powder 20 ml Hemin 50 ml Pen-Strep	For 10 L medium
	ML-412XXL	1850 g powder 100 ml Hemin 250 ml Pen-Strep	For 50 L medium

Description:

Three-component Kit for preparation of complete complex *Leishmania* cultivation medium

The kit contains:

LEXSY BHI, powder

500x Hemin stock solution (ML-108):

0,25% solution of Hemin in 50% Triethanolamine, sterile

200x Pen-Strep stock solution (ML-105):

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

Storage conditions:

LEXSY BHI powder:

Store at room temperature

Stable for 12 month

Hemin stock solution:

Store at 4°C in the dark

Stable for 12 month

Pen-Strep stock solution:

Store at -20°C

Stable for 12 month

Pen-Strep stock solution:

Store at -20°C

Stable for 12 month

Preparation of complete *Leishmania* cultivation medium:

Dissolve 37 g/L LEXSY BHI powder in deionized water and autoclave 15 min at 121°C. Control temperature and time with a reference with the same volume, since overexposure leads to decomposition of ingredients and a dark brown color of the medium, which adversely affects growth of LEXSY strains. Proper autoclaved medium is of amber color. Store medium at room temperature before addition of Hemin and Pen-Strep (stable for 12 month).

Add to 1 L LEXSY BHI:

5.0 ml of 200x Pen-Strep stock solution and
2.0 ml of 500x Hemin stock solution to a final
concentration of 5 µg/ml

Final pH = 7.6 ± 0.2

Store in the dark at 4°C

Completed medium is useable for up to two weeks. If the completed medium is to be used after this period, appropriate amounts of Hemin and Pen-Strep have to be re-added.

Find more information in the User's Guide for LEXSY Expression Kits. Download the pdf from the LEXSY section of our website

<http://www.jenabioscience.com/LEXSY>

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