

For cell culture

KYOKUTO E-RDF Medium

Cat. No. KYO-26500

For research use only

Last Updated: January 30th, 2024

【 I 】 Background

"KYOKUTO E-RDF Medium" is a serum-free medium based on the formula published by Murakami et al., Kyushu University, Japan. E-RDF Medium allows high density and mass culture of various hybridomas to produce biological substances.

【 II 】 Kit Components

This product is an improved version of RDF (RPMI1640:DMEM:Ham F12=2:1:1) with a more "Enriched" composition. Contains streptomycin as an antibiotic.

【 III 】 Purpose of use

Culture of human and mouse hybridomas and myelomas (NS-1, MPC-11, MCB-1, etc.)

【 IV 】 Procedures

- 1 Dissolve 17.7 g of the E-RDF in approximately 800 mL of ultra pure water.
- 2 Add a proper quantity of sodium hydrogen carbonate(1,130 mg) and make up to 1,000 mL with pure water.
- 3 Sterilize prepared liquid media with 0.22 μ m membrane filter immediately.
- 4 Please use prepared liquid media promptly. In the case of storage, keep it in the fridge.
- 5 When used, add supplements under aseptic conditions.

<Note>

- Product should be used under [aseptic operation].
- Immediately after switching from another product to this medium, the state of the cells may become temporarily unstable. Stable cells can be obtained by continuing acclimatization culture for several passages.

【V】Storage

Storage: 2 -10 degrees (Cool and dark place)

Shelf life: 2 years

【VI】Package

Code	Product name	Package
KYO-26500	E-RDF Medium	For 10 L, 177 g

【VII】References

- 1) Hashizume, S., Mochizuki, K., Murakami, H. ; Culture of Human- Human Hybridomas in Serum-free Media., Soshiki Baiyou, 13 (1): 17-20 (1987), written in Japanese.
- 2) Murakami, K. : Mass Culture of Mammalian Cells: Equipment and System Design for Production of Bioactive Substance., Seitai Bougyo, 4(1): 139-143 (1987), written in Japanese.
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- 7) Murakami, H., et al. ; Saibou Seigyo Kougaku, Gakusou-sha, p1-4 (1986), written in Japanese.



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