

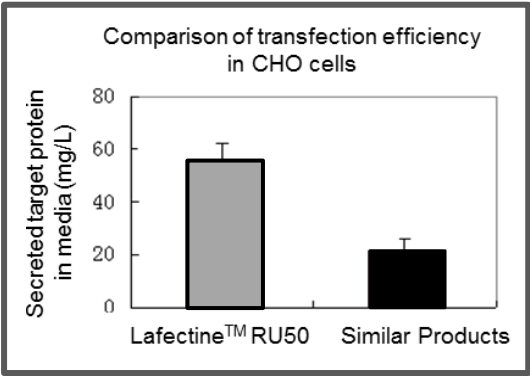
For DNA transfection in mammalian cells

PRODUCT ADVANTAGES

- 1. Simplest transfection protocol - just mix with DNA and vortex
- 2. Superior transfection efficiency
- 3. Highly reproducible results
- 4. Product stable at 4°C

DESCRIPTION

Lafectine™ RU50 is a proprietary cationic lipid-based transfection reagent for mammalian cells. The ratio of Lafectine™ RU50 to plasmid DNA is fixed at 50 µL Lafectine™ RU50 for 1 µg of plasmid DNA. Lafectine™ RU50 is formulated in a ready-to-use format - users simply add DNA and vortex the mix briefly. After a 15-minute incubation, the transfection mix can be added to cells. As judged by target protein production, the transfection efficiency of Lafectine™ RU50 is consistently higher than that of similar products.



PROTOCOL

- 1. For each microgram of DNA to be transfected, add 50 µL of Lafectine™ RU50
- 2. Mix by vortexing for 5 seconds
- 3. Incubate the mix at room temperature for 15 minutes
- 4. Add transfection mix to cells

| Culture vessel | Surface area per well | Media per well | DNA per well | Lafectine™ RU50 per well |
|----------------|-----------------------|----------------|--------------|--------------------------|
| 96-well | 0.3 cm² | 0.2 mL | 0.25 µg | 12.5 µL |
| 24-well | 2 cm² | 1 mL | 1 µg | 50 µL |
| 12-well | 4 cm² | 2 mL | 2 µg | 100 µL |
| 6-well | 10 cm² | 4 mL | 4 µg | 200 µL |
| 10-cm | 60 cm² | 15 mL | 20 µg | 1 mL |