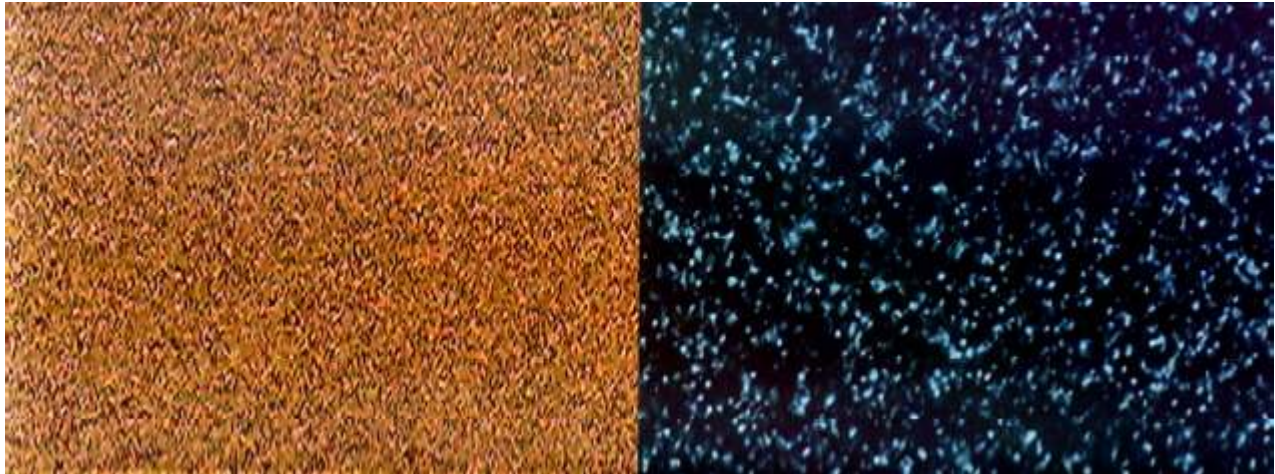


Targeting Systems Introduces :  
**Targefect-Raw**

For transfection of Raw 267.4 cells and other macrophage-derived cell line



Transfection of Raw 267.4 cells with the Targefect -Raw reagent. Transfection efficiency approx. 60%.

**Data courtesy of Dr Jennifer Sullivan, Genzyme Corporation, MA**

Store the Targefect-Raw reagent at 4 o C. Do not vortex the reagent or freeze it. **Conditions tested and found to work for Raw cells are in bold. Conditions found to work for primary Kupffer cells are in red.**

## Transfection Protocol:

Cells to be transfected should be about 70% confluent at the time of the experiment. Addition of Virofect to the Targefect/Raw reagent significantly enhanced the transfection efficiency in Raw cells. The conditions are as follows:

### Condition 1

Complex 6 µg DNA with 12 µl of targefect and 24 µl of Virofect. in 0.6 ml of serum-free high glucose DMEM. Incubate at 37 °C for 20 minutes to form transfection complexes, shake well after each addition.

Add 125 µl of this complex to 500 µl of supernatant media in one well of a 12 well dish. Incubate overnight. Assay the next day.

### Condition 2

We also recommend testing a second condition aspirating of all the media from the 6-well dish leaving 500 µl of supernatant on the cells. Add 250 µl of transfection complex to 500 µl of the cell supernatants mix well and incubate overnight (the latter condition gave some improvement). Assay the next day.

**Transfection in 12-well or 24-well dishes:**

Add 70 µl of transfection complex to 0.5 ml of complete media per well of a 24 well dish.

Add 125 µl of transfection complex to 1 ml of complete media (with 10% serum) per well of a 12 well dish.

Swirl the dish to mix transfection complexes with complete media. Replace media with fresh culture media the next day. Assay at 30-48 hrs post transfection.

**If you have questions about this protocol please call our tech support at 619-562-1518**

One kit of Raw-01 is sufficient for at least 200 transfections in 35 mm dishes and 400-600 transfections in 12-well dishes.

<b>Targefect-Raw Catalogue #</b>	<b>Quantity</b>	<b>Price</b>
Raw-01	1	\$ 250
Raw-10	10	\$ 2,000

**Contents: Two solutions**

**- Targefect-Raw (1 ml) , Virofect-(0.6 ml)**