

ImmunoFast™ Adjuvant

IF01-4N/IF01-20N

V2.0

Store at room temperature
For Research Use Only

■ Introduction

ImmunoFast™ Adjuvant is an adjuvant used to induce produce cell mediated and humoral responses in research animals and it is invented for researches where strong and fast immune response is needed. In comparison with Freund's Complete Adjuvant (CFA) or other adjuvants, **ImmunoFast™ Adjuvant** is a much safer and easier one.

The crucial point of its strength is the immunostimulatory activity of its components. **ImmunoFast™ Adjuvant** enables the steady and intense induction of antibodies against antigens within research animals. Similar to CFA, **ImmunoFast™ Adjuvant** can be used with a wide variety of antigens. It is worth noting that **ImmunoFast™ Adjuvant** is effective in inducing antibody production, but without the toxicity as CFA. **ImmunoFast™ Adjuvant** is an attractive alternative to CFA in the induction of high titer, high avidity antibodies.

■ Product Components

ImmunoFast™ Adjuvant (IF01-4N)

Reagent 1	0.1 mL	1 bottle
Reagent 2	1.5 mL	1 bottle
User's manual		

ImmunoFast™ Adjuvant (IF01-20N)

Reagent 1	0.5 mL	1 bottle
Reagent 2	7.0 mL	1 bottle
User's manual		

■ Safety Information

Please wear gloves, lab coat and goggles while operating. Prevent contact product directly. In case of contacting, wash with large amount of water.

■ Storage

ImmunoFast™ Adjuvant should be stored at room temperature for years.

■ Materials needed but not provided

1. 1.5 mL syringes
2. 3-way stopcocks
3. No. 26 needles

■ Instruction

1. Pre-mix 20 μ L Reagent 1 + 180 μ L antigen solution (in water or PBS).
2. Mix the above solution with 300 μ L Reagent 2.
3. Emulsify for 5 minutes by syringes.
4. Immunize the animal with total 500 μ L emulsifying solution whichever appropriate method.
5. Evaluate the titer for animals every two weeks by ELISA or other methods.

NOTE: Generally, strong titer can be elicited after two weeks of the first immunization. A stronger immunization can be found if performing a second immunization.

NOTE: 10 to 50 μ g of antigen in each boost should be sufficient for successful immunization. However, due to the divergence among antigens, optimal amount of required antigen might vary and should be determined by users.

NOTE: Unlike other adjuvants, the emulsifying solution from ImmunoFast is water like and thus permits users with an ease immunization procedure.

■ Related Visual Protein Products

LumiFlash™ Prime Chemiluminescent Substrate, HRP System	LF01-500	500mL
LumiFlash™ Ultima Chemiluminescent Substrate, HRP System	LF08-500	500mL
LumiFlash™ Infinity Chemiluminescent Substrate, HRP System	LF16-500	500mL
LuminolPen™, HRP System	LH03-50	1 pen
LuminolPen™ EZ, HRP System	LH05-50	1 pen