Claims

1. A method for preparing F cells comprising: 1) introducing a gene encoding cytosine deaminase (CD) into a mesenchymal stem cell (MSC) to prepare mesenchymal stem cell/cytosine deaminase (MSC/CD); 2) freezing the prepared MSC/CD to prepare frozen MSC/CD; and 3) thawing and suspending the frozen MSC/CD to prepare F cells, wherein the F cell(s) is not subjected to cell culturing after freezing and thawing.

2. The method according to claim 1, wherein the F cell(s) is used for cancer treatment.

3. The method according to claim 2, wherein the cancer is at least one selected from the group consisting of squamous cell cancer, small cell lung cancer, non-small cell lung cancer, lung cancer, peritoneal cancer, colorectal cancer, biliary tumor, nasopharyngeal cancer, laryngeal cancer, bronchial cancer, oral cancer, osteosarcoma, gallbladder cancer, kidney cancer, leukemia, bladder cancer, melanoma, brain cancer, glioma, brain tumor, skin cancer, pancreatic cancer, breast cancer, liver cancer, bone cancer, esophageal cancer, colon cancer, gastric cancer, cervical cancer, prostate cancer, ovarian cancer, head and neck cancer, and rectal cancer.

4. The method according to claim 1, wherein the F cell(s) is

an adjuvant for anti-cancer.