

# Product Data Sheet

**Date of Issue: 26 Nov 2019**

## 1. Product Information

- Product Name : NpFlamma® HGC 749
- Catalog Number : PNC1301
- Packing Unit : 10 tests / 50 tests / 250 tests
- Appearance : Green Liquid
- Storage Conditions : Protect from Light at 4 °C

## 2. Additional Information

- Fluorophore Label : Flamma® Fluors 749
- Excitation<sub>Max</sub> : 750 nm
- Emission<sub>Max</sub> : 782 nm

## 3. Description

NpFlamma® HGC 749 is a NIR dye-incorporated chitosan based amphiphilic nanoparticle that enables to selectively detect tumor cells. Flamma® Fluor dyes display strong absorption, high fluorescence quantum yield and high photostability, and they maintain good fluorescence activity and stability after conjugated to biomolecules. The maxima of Ex/Em values are at 750/782. NpFlamma® HGC 749 enables to observe non-invasive NIR images of cancer metastases and to contrast blood vessel. We offer NpFlamma® HGC 749 as an effective NIR fluorescence agent for in vivo imaging of angiography and tumor progression.