



Technical Data Sheet

ACS Material GlowDots

Table of Contents

[1 – Preparation Method](#)

[2 – Characterizations](#)

[3 – Application Fields](#)

Contact Information:

Manufacturer: ACS Material, LLC.

Address: 959 E Walnut St., Suite 100

Pasadena, CA 91106, USA

Phone: (866)-227-0656

Fax: (781)-518-0284

E-Mail: contact@acsmaterial.com

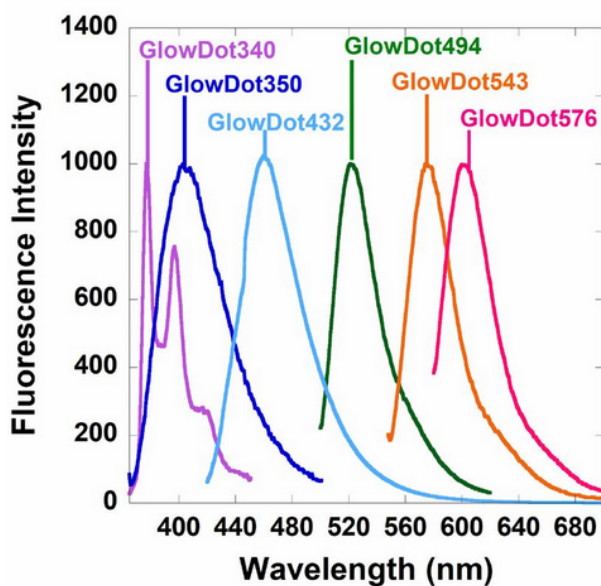
Revision: 010418

1. Preparation Method

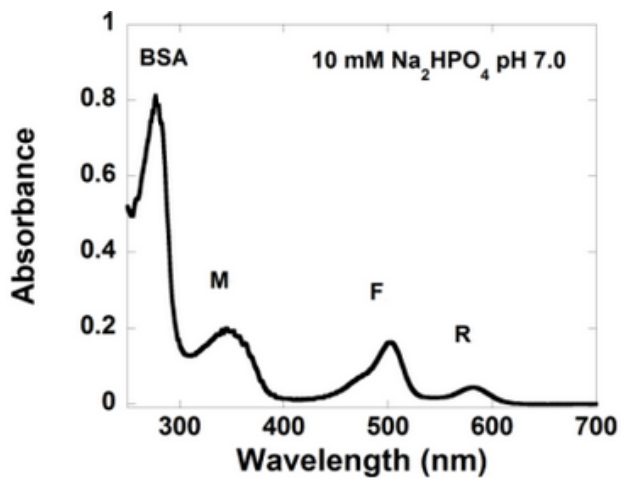
- 1) Carbodiimide chemistry
- 2) Subsequent labeling

2. Characterizations

Nanoparticle Consistency:	Uniform
Particle Morphology:	Sphere, rough, porous
Surface Charge:	- 35 mV
Mean Diameter:	35 nm (\pm 10 nm)
Size Distribution:	\pm 5nm
Refractive Index:	N/A
Concentration:	1mg/tube
Functionalization:	acid, base, hydroxyl and others
Internal Contents:	Bovine serum albumin, organic dye, natural amino acids



Typical Fluorescence Spectra of ACS Material GlowDots



Typical Absorption Spectra of ACS Material White-Emitting GlowDots

3. Application Fields

- 1) pH sensing
- 2) Cell imaging
- 3) Fluorescence
- 4) Drug delivery

Disclaimer: ACS Material, LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.