

# KRISHGEN BioSystems

## Fluorospin Label Dyes

### Fluoro-spin 331

- It is designed for the labeling of proteins with molecular weights greater than 25 kD using a reactive succinimidyl-ester of N-methanthranilic acid (MANT).
- The protein-dye conjugates have fluorescence-excitation and fluorescence-emission maxima at around 331 nm and 426 nm, respectively.
- Up to 50 nmol of protein can be labeled using one vial (1 µMol) of the reactive Fluoro•Spin 331 dye.

### Fluoro•Spin 498

- It is designed for the labeling of proteins with molecular weights greater than 25 kD (in particular antibodies), using a reactive succinimidyl-ester of carboxy-fluorescein (FAM, FITC, etc.)
- The protein-dye conjugates have fluorescence-excitation and fluorescence-emission maxima at around 498 nm and 522 nm, respectively.
- Up to 50 nmol of protein can be labeled using one vial (1 µMol) of the reactive Fluoro•Spin 498 dye.

### Fluoro•Spin 557

- It is designed for the labeling of proteins with molecular weights greater than 25 kD, using a reactive succinimidyl-ester of carboxy-tetramethylrhodamine (TAMRA).
- The protein-dye conjugates have fluorescence-excitation and fluorescence-emission maxima at around 557 nm and 574 nm, respectively.
- Up to 50 nmol of protein can be labeled using one vial (1 µMol) of the reactive Fluoro•Spin 557 dye.

### Fluoro•Spin 565

- It is designed for the labeling of proteins with molecular weights greater than 25 kD (in particular antibodies), using a reactive succinimidyl-ester of DY-555 from DYOMICS.
- The protein-dye conjugates have fluorescence-excitation and fluorescence-emission maxima at around 565 nm and 580 nm, respectively.
- Up to 15 nmol of protein can be labeled using one vial (50 nMol) of the reactive Fluoro•Spin 565 dye.

### Fluoro•Spin 587

- It is designed for the labeling of proteins with molecular weights greater than 25 kD, using a reactive succinimidyl-ester of carboxy-X-rhodamine (ROX).
- The protein-dye conjugates have fluorescence-excitation and fluorescence-emission maxima at around 587 nm and 599 nm, respectively.
- Up to 50 nmol of protein can be labeled using one vial (1 µMol) of the reactive Fluoro•Spin 587 dye.

### Fluoro•Spin 635

- It is designed for the labeling of proteins with molecular weights greater than 25 kD (in particular antibodies), using a reactive succinimidyl-ester of DY-633 from DYOMICS.
- The protein-dye conjugates have fluorescence-excitation and fluorescence-emission maxima at around 635 nm and 654 nm, respectively.
- Up to 15 nmol of protein can be labeled using one vial (50 nMol) of the reactive Fluoro•Spin 635 dye.

### Fluoro•Spin 651

- It is designed for the labeling of proteins with molecular weights greater than 25 kD, using a reactive succinimidyl-ester of EVOblue30 from DYOMICS.
- The protein-dye conjugates have fluorescence-excitation and fluorescence-emission maxima at around 651 nm and 666 nm, respectively.
- Up to 15 nmol of protein can be labeled using one vial (50 nMol) of the reactive Fluoro•Spin 651 dye.

***In order to avoid un-specific interactions or unstable ester bond formation between dyes and protein, these kits provides hydroxylamine for use as a stop reagent.***

***These kits includes enough reactive dyes for up to 5 labeling reactions and 10 Centri-Sep spin columns for rapid and efficient purification of your protein-dye conjugates.***

