DKI: At least 3 distinct b-values, which only differ in the gradient magnitude. Furthermore, at least 15 distinct diffusion (gradient) directions are required.

IVIM: At least 3 distinct b-values.

DTI: At least 3 distinct b-values, which only differ in the gradient magnitude. Furthermore, at least 6 distinct diffusion (gradient) directions are required.

Stretched-Exponential and Monoexponential Model: At least 7 different b-values.