Labelled test set where sufficiency holds but not separation:

Label	Prediction	Gender
YES	YES	Male
NO	YES	Male
YES	YES	Female
NO	YES	Female
YES	NO	Male
YES	NO	Male
NO	NO	Male
NO	NO	Female
NO	NO	Male
NO	NO	Male

Label	Prediction	Gender	P(A, C, Y)
YES	YES	Female	1/10
YES	YES	Male	1/10
YES	NO	Female	0
YES	NO	Male	1/5
NO	YES	Female	1/10
NO	YES	Male	1/10
NO	NO	Female	1/10
NO	NO	Male	3/10

Labelled test set where separation holds but not sufficiency:

Label	Prediction	Gender
NO	YES	Female
NO	YES	Female
YES	YES	Female
YES	NO	Female
YES	NO	Male
YES	YES	Male
NO	YES	Male
NO	NO	Male
NO	YES	Male
NO	YES	Male

Label	Prediction	Gender	P(A, C, Y)
YES	YES	Female	1/10
YES	YES	Male	1/10
YES	NO	Female	1/10
YES	NO	Male	1/10
NO	YES	Female	1/5
NO	YES	Male	3/10
NO	NO	Female	0
NO	NO	Male	1/10