Figure 1

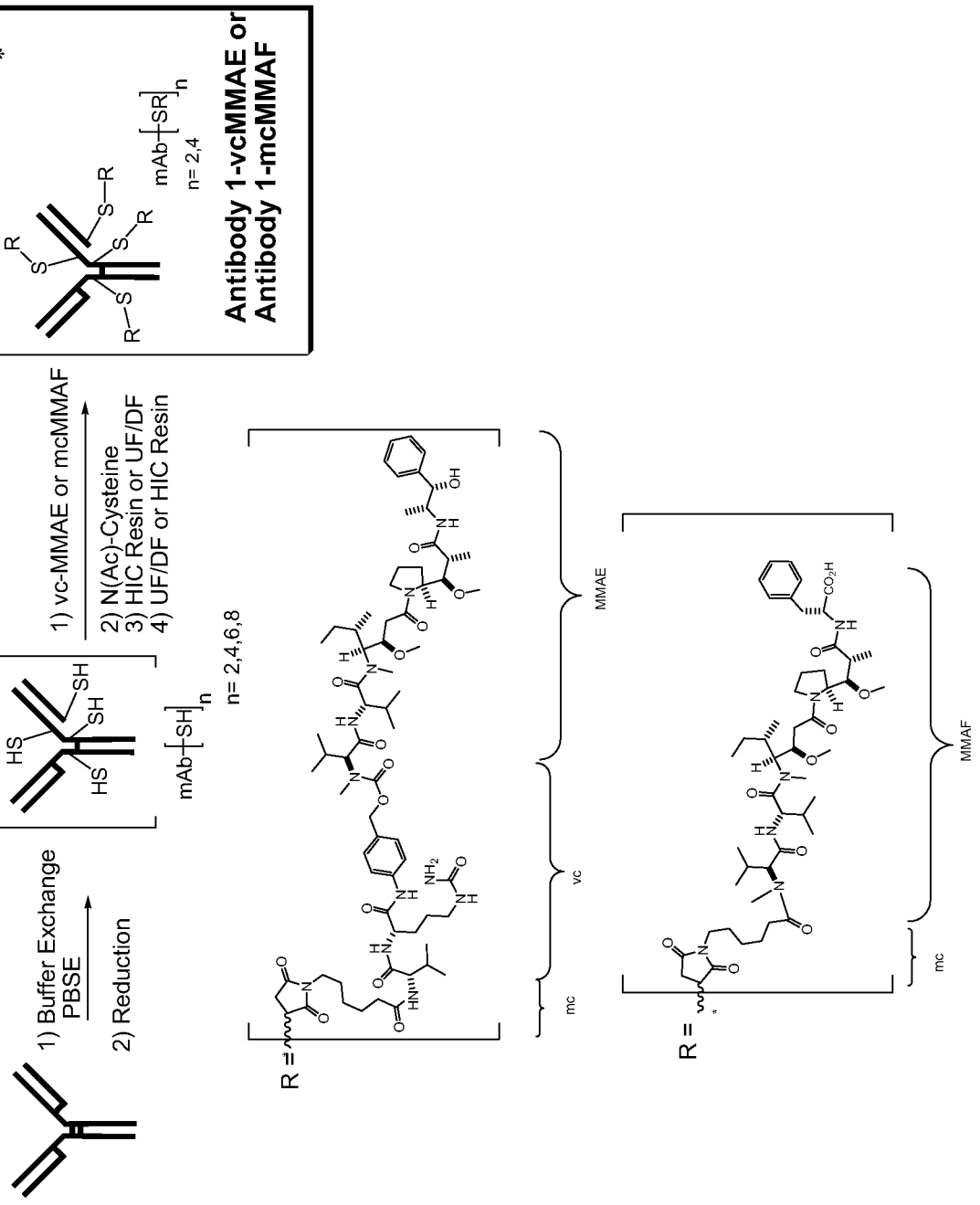

1) Buffer Exchange PBSE
2) Reduction
mAb-[SH]n
n= 2,4,6,8
1) vc-MMAE or mcMMAF
2) N(Ac)-Cysteine
3) HIC Resin or UF/DF
4) UF/DF or HIC Resin
mAb-[SR]n
n= 2,4
Antibody 1-vcMMAE or Antibody 1-mcMMAF
R =
vc
mc
MMAE
MMAF

Figure 2

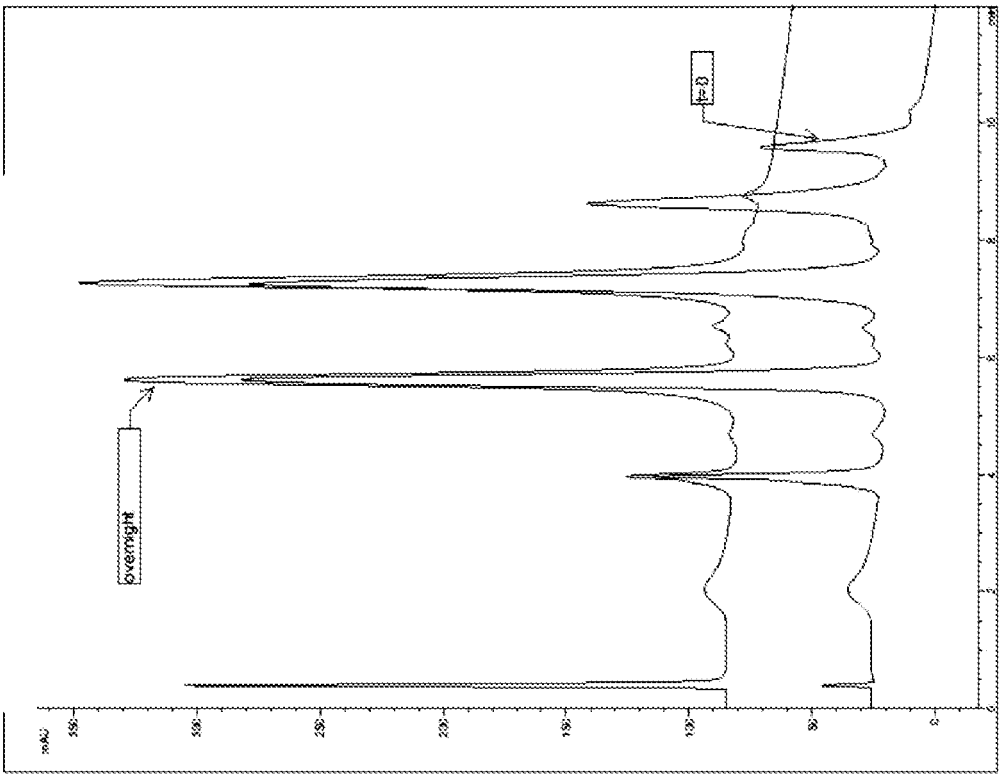
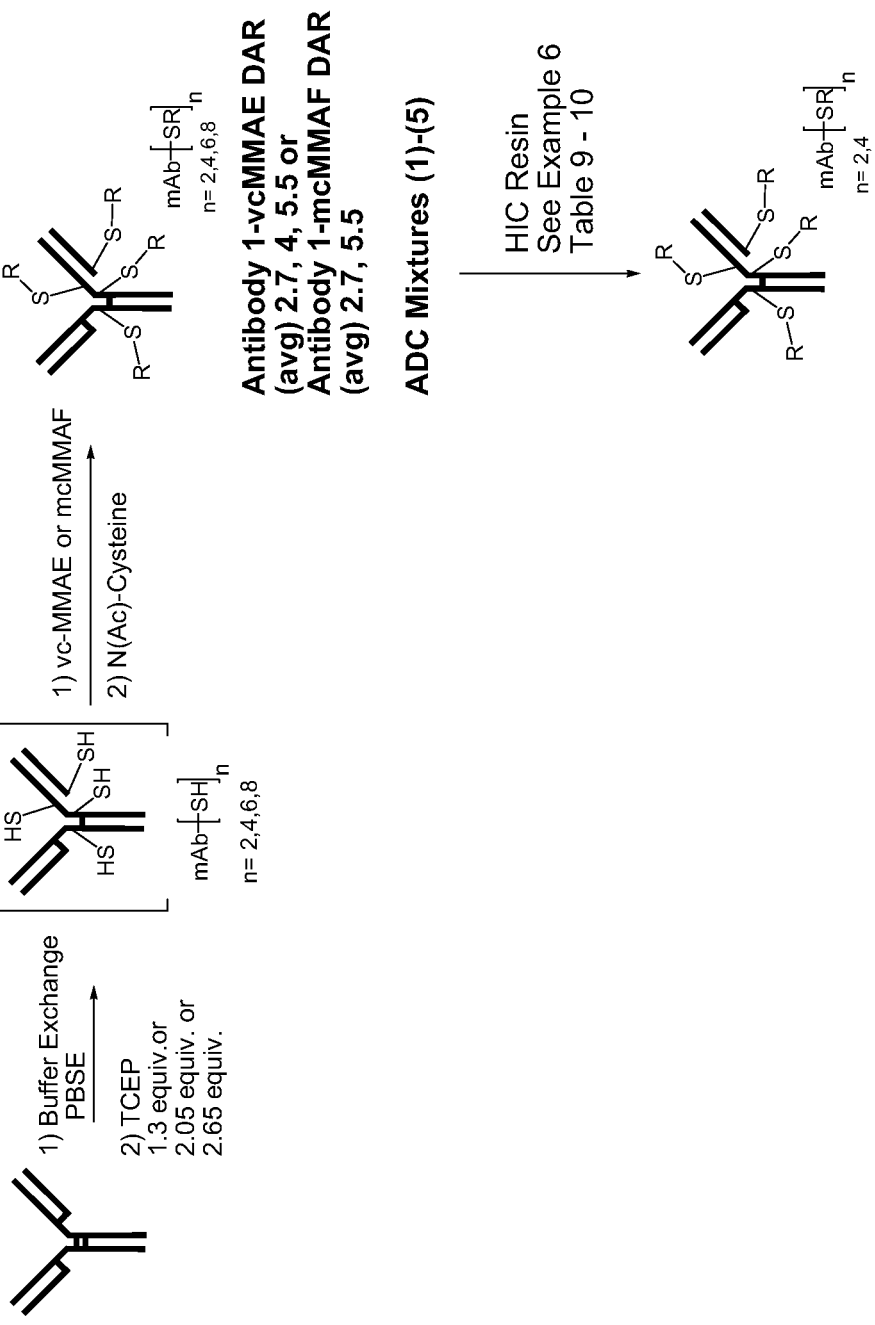


Figure 3


1) Buffer Exchange
PBSE
2) TCEP
1.3 equiv.or
2.05 equiv. or
2.65 equiv.
HS
SH
mAb[SH]n
n= 2,4,6,8
1) vc-MMAE or mcMMAF
2) N(Ac)-Cysteine
S—R
mAb[SR]n
n= 2,4,6,8
Antibody 1-vcMMAE DAR (avg) 2.7, 4, 5.5 or
Antibody 1-mcMMAF DAR (avg) 2.7, 5.5
ADC Mixtures (1)-(5)
HIC Resin
See Example 6
Table 9 - 10
mAb[SR]n
n= 2,4