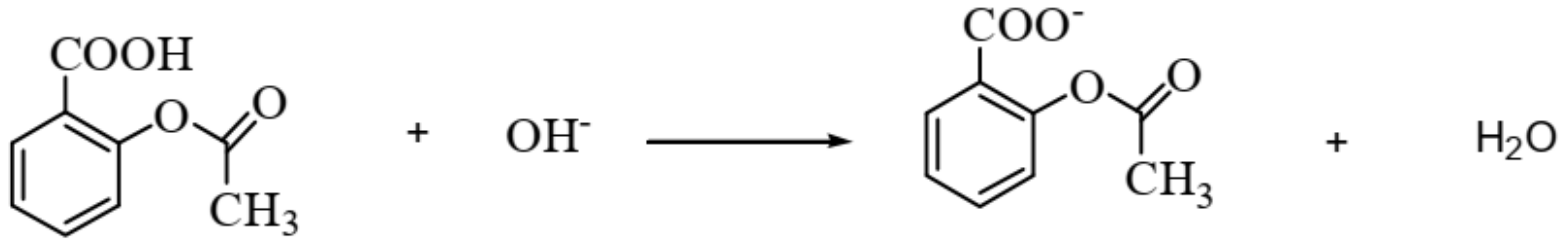
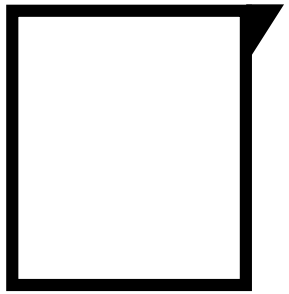
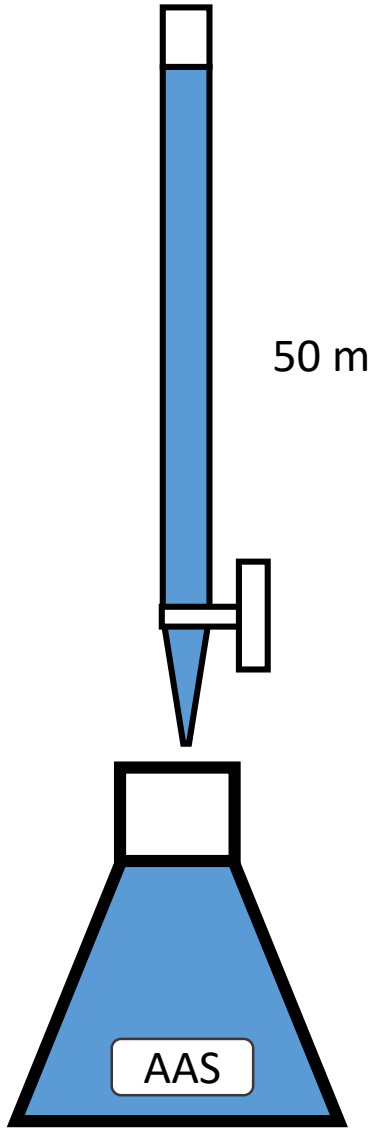
Valoración directa



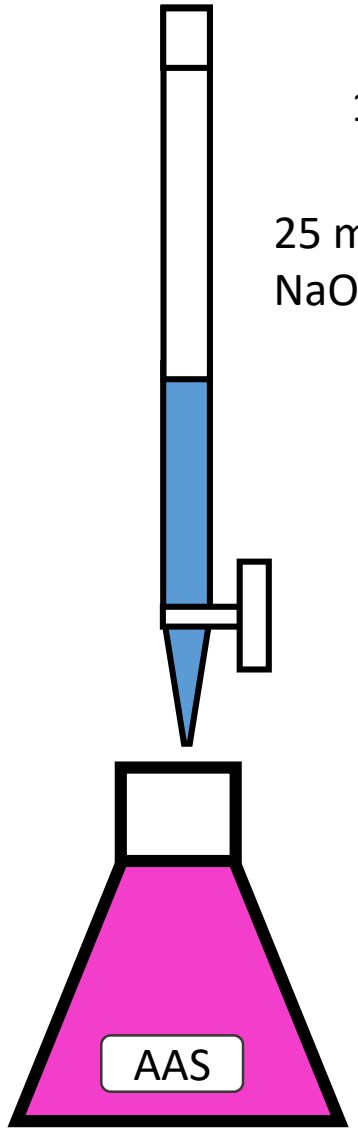
1 mol AAS____1mol NAOH____1 mol eq (OH)



Fenolftaleina
- Acido incoloro
- Basico Rosa



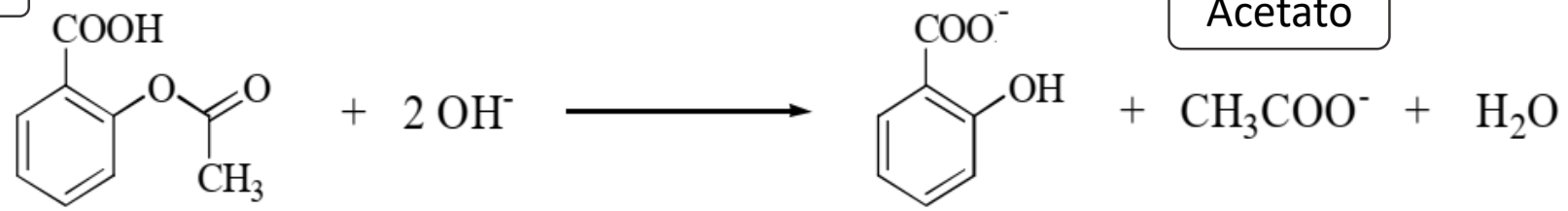
50 ml NaOH SV



25 ml
NaOH 0,5 N SV

Valoración x retorno

AAS

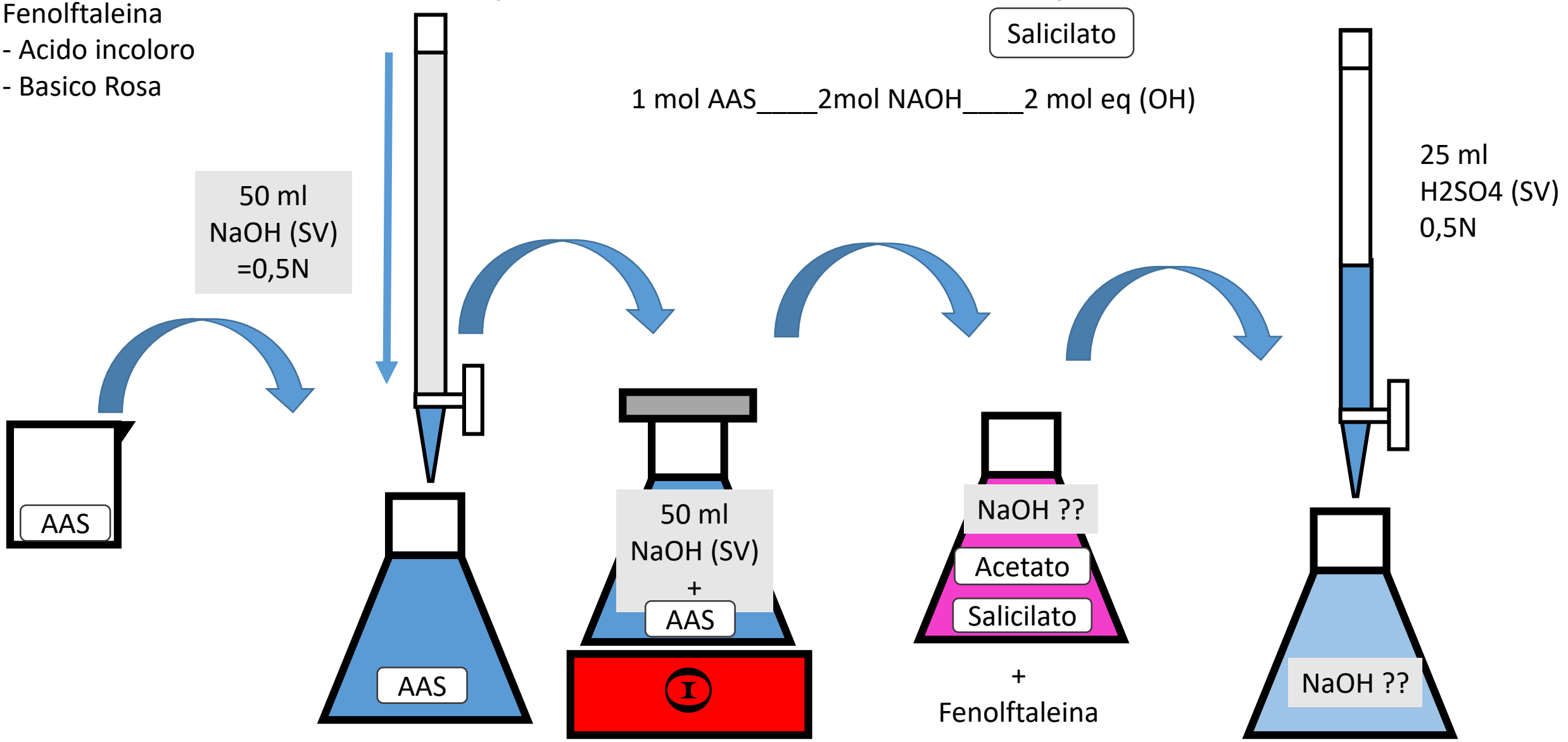


Acetato

Salicilato

Fenolftaleina
- Acido incoloro
- Basico Rosa

1 mol AAS____2mol NAOH____2 mol eq (OH)



Valoración x retorno

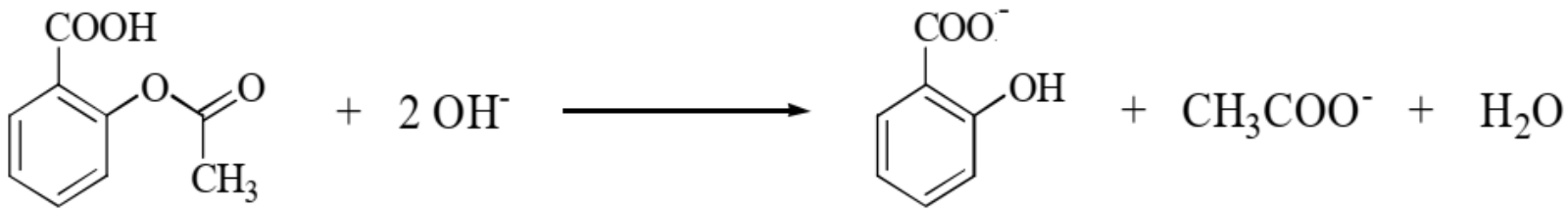
1 mol AAS___2mol NAOH___2 mol eq (OH)

Fenolftaleina
- Ácido incoloro
- Básico Rosa

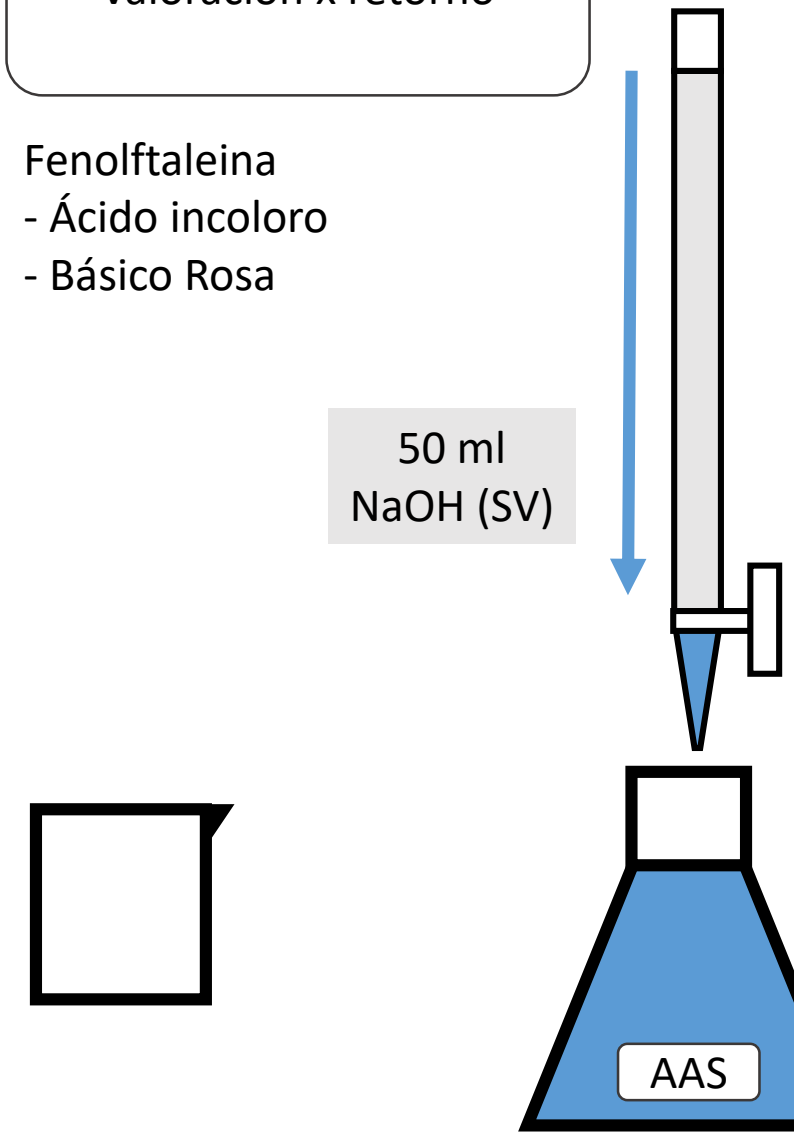
AAS

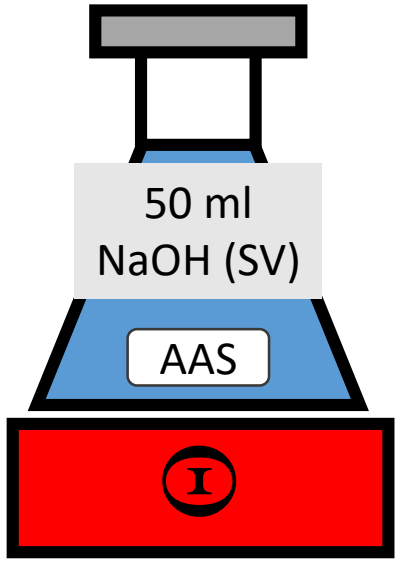
Salicilato

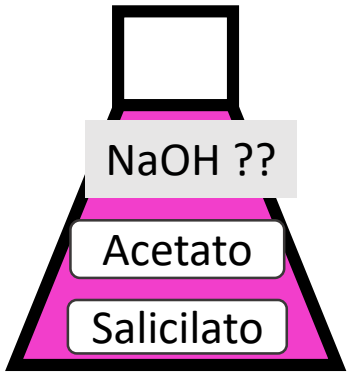
Acetato



50 ml
NaOH (SV)



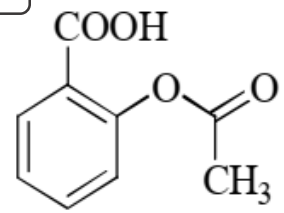




+
Fenolftaleina

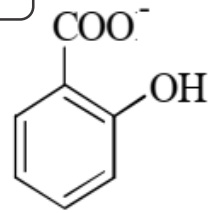
Valoración x retorno

AAS



+ 2 OH^- ⟶

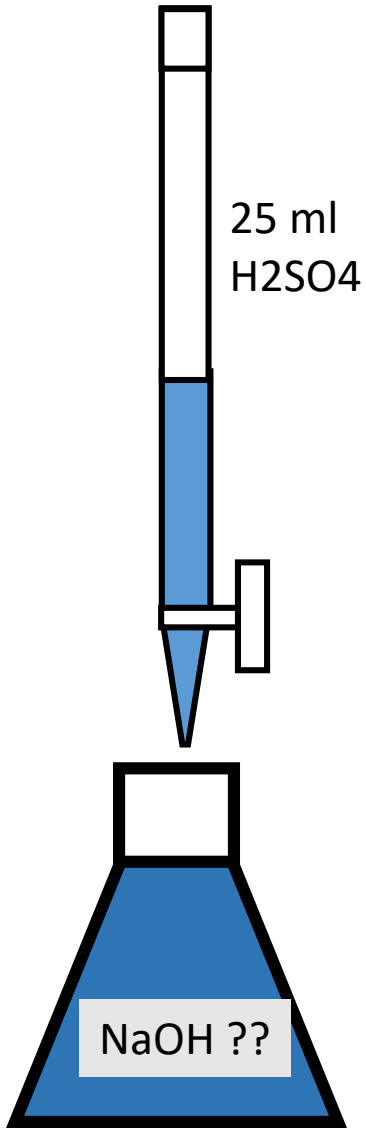
Salicilato

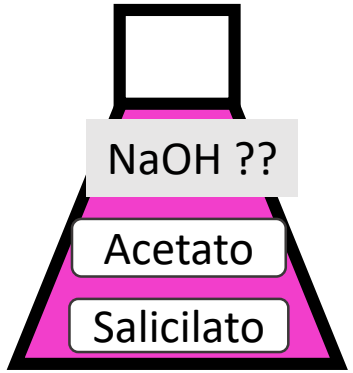


+ CH_3COO^- + H_2O

Acetato

Fenolftaleina
- Acido incoloro
- Basico Rosa





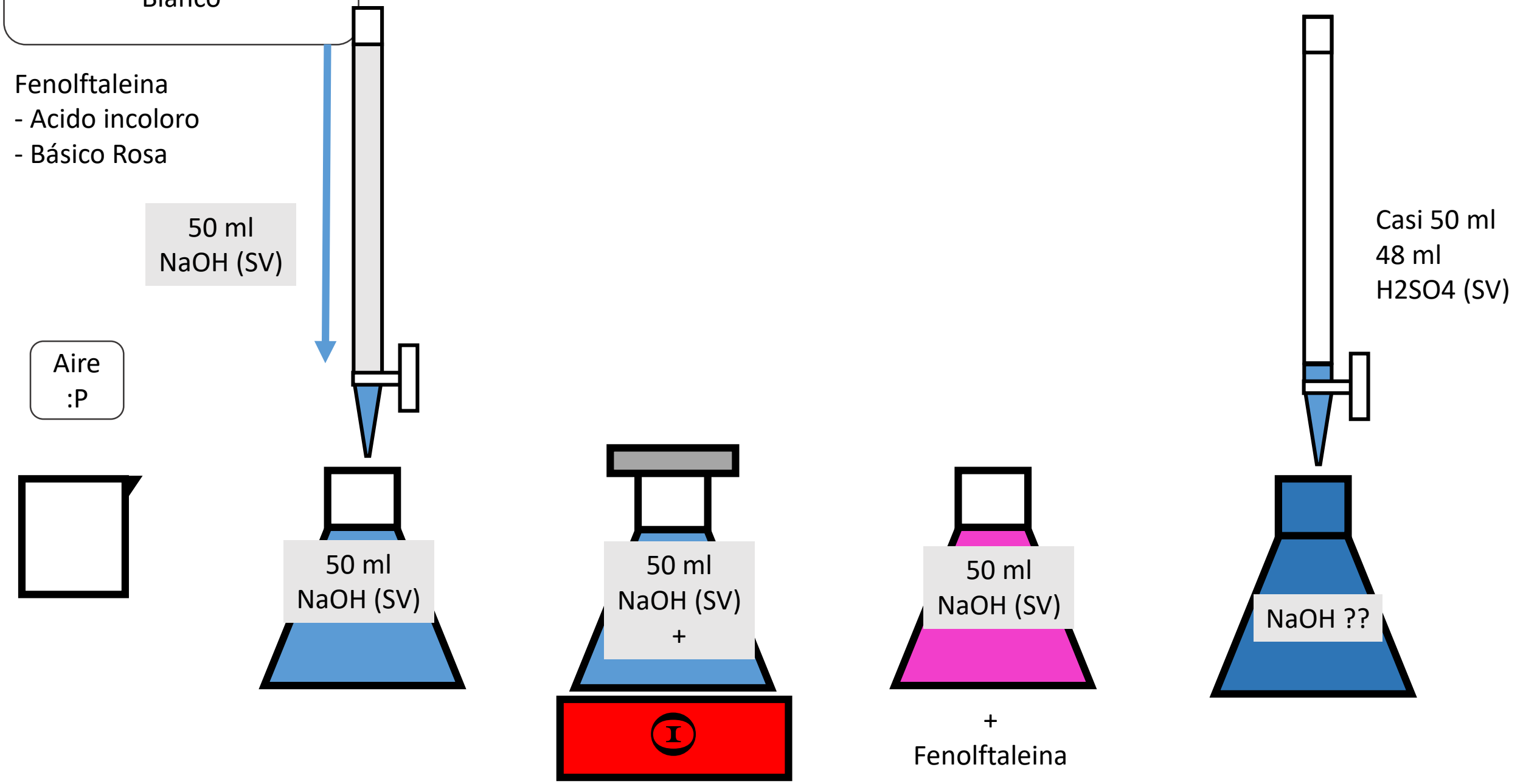
+
Fenolftaleina

Valoración x retorno
Blanco

Fenolftaleina
- Acido incoloro
- Básico Rosa

50 ml
NaOH (SV)

Aire
:P



Cálculo Eq de AAS por Retorno

Eq AAS = Eq Muestra – Eq Blanco =

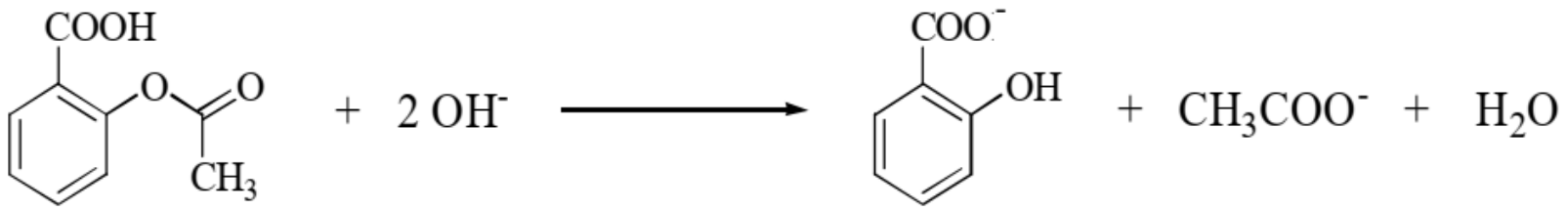
EqMuestra = EqNaOH – Eq H_2SO_4 =

= 50 ml x 0,5 eq/ 1000ml – 25 ml x 0,5 eq/ 1000ml=

EqBlanco = EqNaOH – Eq H_2SO_4 =

= 50 ml x 0,5 eq/ 1000 ml – 48 ml x 0,5 eq/ 1000ml=

Cálculo masa con Eq de AAS por Retorno



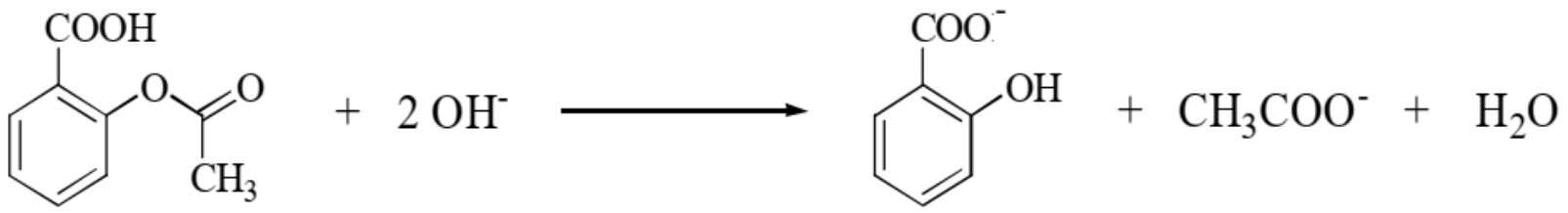
1 mol AAS___2mol NAOH___2 mol eq (x el OH)

1 mol AAS ___2 Eq AAS

1 mol AAS ___2 Eq AAS ___180 g AAS

1 Eq AAS ___90 g AAS

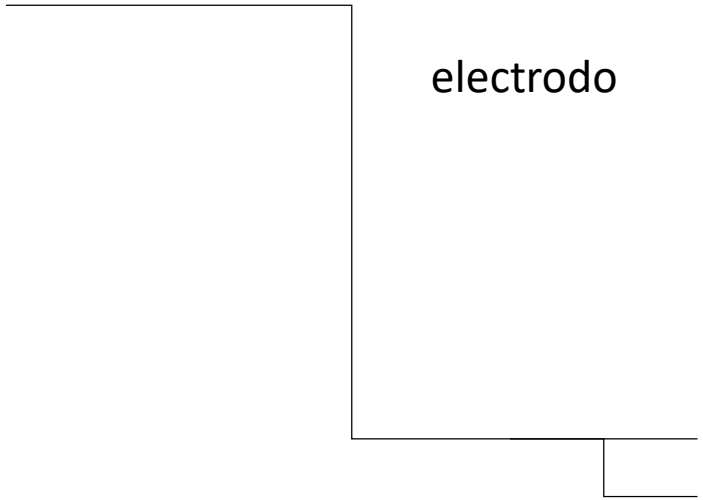
Cálculo masa con Eq de AAS por Retorno

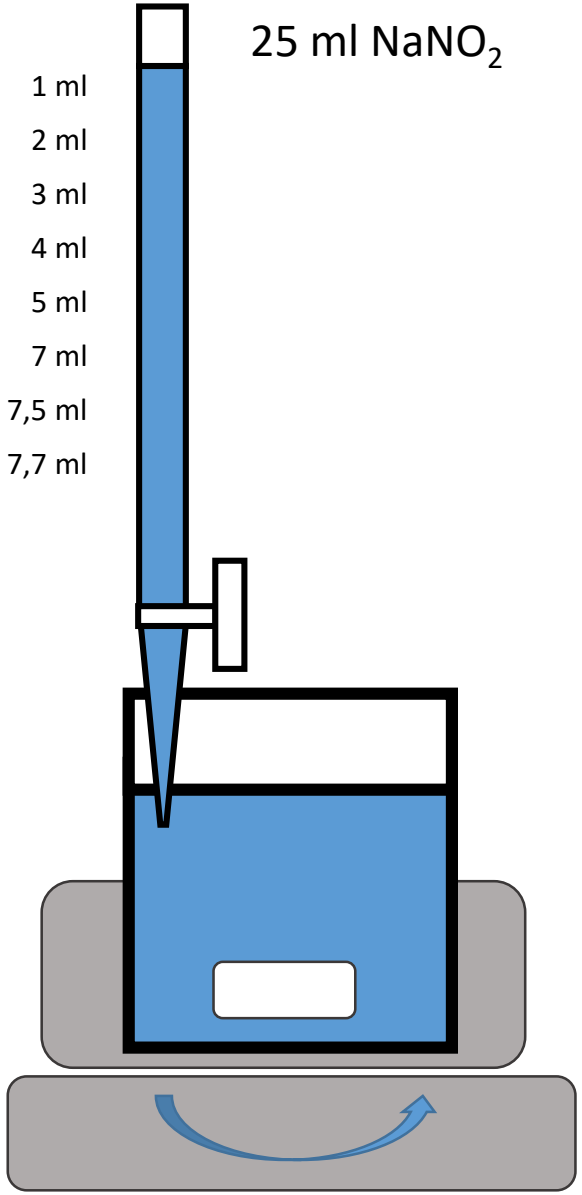


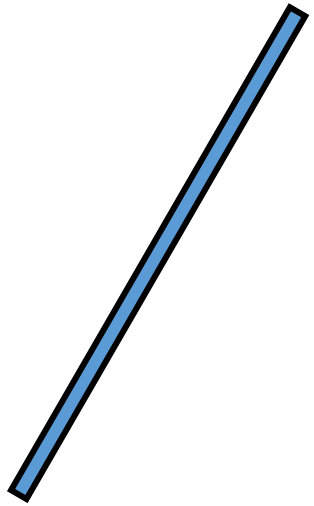
1 Eq AAS ___90 g AAS

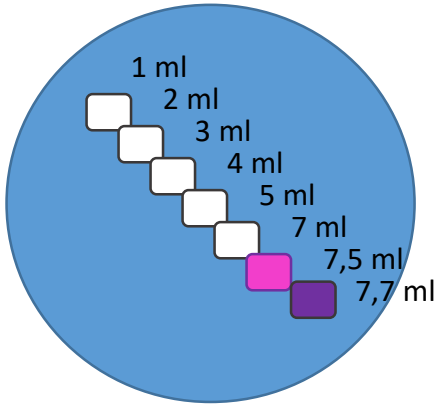
Eq Muestra corregida= XXX Eq AAS ___=XX g

Nitrito Volumetría









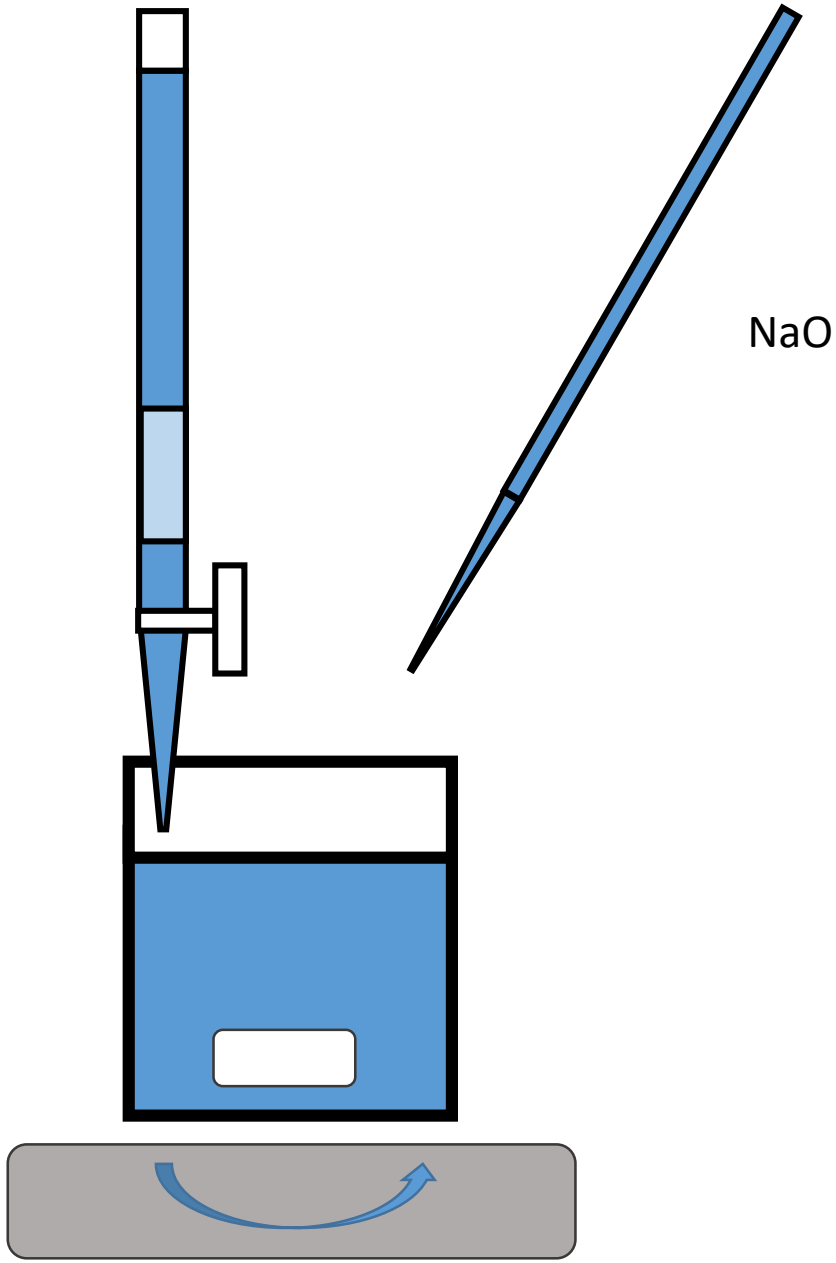
Volumetría Ca^{2+}

35 ml EDTA

30 ml EDTA 0,05M

+

5 o mas ml EDTA 0,05M



NaOH (SR)