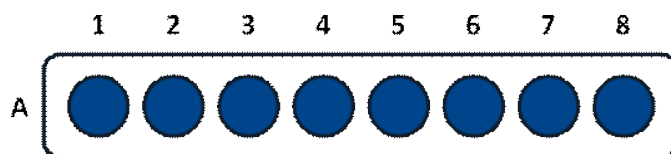


## Kit Array Components



Position	Label	Quantity	Chemical	Amount
A01	Pd(PPh <sub>3</sub> ) <sub>4</sub>	4	Pd(PPh <sub>3</sub> ) <sub>4</sub>	1.50 μmol
A02	Pd(dppf)Cl <sub>2</sub>	4	Pd(dppf)Cl <sub>2</sub>	1.50 μmol
A03	Pd <sub>2</sub> (dba) <sub>3</sub> /Sphos	4	Sphos Pd <sub>2</sub> dba <sub>3</sub>	3.00 μmol 0.75 μmol
A04	Pd <sub>2</sub> (dba) <sub>3</sub> /XPhos	4	XPhos Pd <sub>2</sub> dba <sub>3</sub>	3.00 μmol 0.75 μmol
A05	PdOAc <sub>2</sub> /Sphos	4	Sphos Pd(OAc) <sub>2</sub>	3.00 μmol 1.50 μmol
A06	PdOAc <sub>2</sub> /XPhos	4	XPhos Pd(OAc) <sub>2</sub>	3.00 μmol 1.50 μmol
A07	PdOAc <sub>2</sub> /CataCXium A	4	Pd(OAc) <sub>2</sub> cataCXium A	1.50 μmol 3.00 μmol
A08	Pd(Amphos)Cl <sub>2</sub>	4	Pd(Amphos)Cl <sub>2</sub>	1.50 μmol

## Reagents/ Solvents

Description	Quantity	Amount
Na <sub>2</sub> CO <sub>3</sub> -1M	1 x vial	2 ml
K <sub>2</sub> CO <sub>3</sub> -1M	1 x vial	2 ml
Cs <sub>2</sub> CO <sub>3</sub> -1M	1 x vial	2 ml
K <sub>3</sub> PO <sub>4</sub> -1M	1 x vial	2 ml

## Reagent Information

Reagent	CAS	MW
Cs <sub>2</sub> CO <sub>3</sub> -1M	534-17-8	326.00
K <sub>2</sub> CO <sub>3</sub> -1M	584-08-7	138.00
K <sub>3</sub> PO <sub>4</sub> -1M	7778-53-2	212.27
Na <sub>2</sub> CO <sub>3</sub> -1M	497-19-8	105.99
Pd(Amphos)Cl <sub>2</sub>	887919-35-9	708.00
Pd(dppf)Cl <sub>2</sub>	95464-05-4	817.00

Pd(OAc) <sub>2</sub>	3375-31-3	225.00
Pd(PPh <sub>3</sub> ) <sub>4</sub>	14221-01-3	1,156.00
Pd <sub>2</sub> dba <sub>3</sub>	51364-51-3	916.00
cataCXium A	321921-71-5	358.54
Sphos	657408-07-6	410.53
XPhos	564483-18-7	476.72