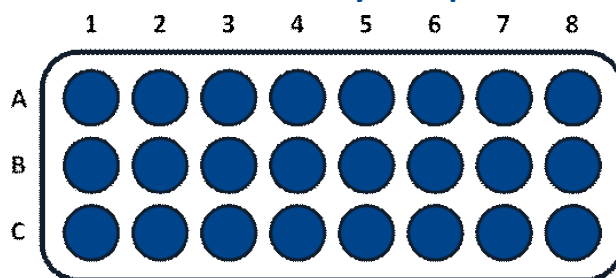


## Kit Array Components



Position	Label	Quantity	Chemical	Amount
A01	BrettPhosG2 / NaOtBu	2	BrettPhosG2	1.5 $\mu\text{mol}$
A02	RuPhosG2 / NaOtBu	2	RuPhosG2	1.5 $\mu\text{mol}$
A03	XPhosG2 / NaOtBu	2	XPhosG2	1.5 $\mu\text{mol}$
A04	tBuXPhosG3 / NaOtBu	2	tBuXPhosG3	1.5 $\mu\text{mol}$
A05	tBuBrettPhosG3 / NaOtBu	2	tBuBrettPhosG3	1.5 $\mu\text{mol}$
A06	Pd <sub>2</sub> (dba) <sub>3</sub> /dppf / NaOtBu	2	Pd <sub>2</sub> dba <sub>3</sub> dppf	0.7 $\mu\text{mol}$ 3.0 $\mu\text{mol}$
A07	Pd(PtBu <sub>3</sub> ) <sub>2</sub> / NaOtBu	2	Pd(PtBu <sub>3</sub> ) <sub>2</sub>	1.5 $\mu\text{mol}$
A08	Pd/CataCXium A / NaOtBu	2	Pd(OAc) <sub>2</sub> cataCXium A	1.5 $\mu\text{mol}$ 3.0 $\mu\text{mol}$
B01	BrettPhosG2 / LHMDS	2	BrettPhosG2	1.5 $\mu\text{mol}$
B02	RuPhosG2 / LHMDS	2	RuPhosG2	1.5 $\mu\text{mol}$
B03	XPhosG2 / LHMDS	2	XPhosG2	1.5 $\mu\text{mol}$
B04	tBuXPhosG3 / LHMDS	2	tBuXPhosG3	1.5 $\mu\text{mol}$
B05	tBuBrettPhosG3 / LHMDS	2	tBuBrettPhosG3	1.5 $\mu\text{mol}$
B06	Pd <sub>2</sub> (dba) <sub>3</sub> /dppf / LHMDS	2	Pd <sub>2</sub> dba <sub>3</sub> dppf	0.7 $\mu\text{mol}$ 3.0 $\mu\text{mol}$
B07	Pd(PtBu <sub>3</sub> ) <sub>2</sub> / LHMDS	2	Pd(PtBu <sub>3</sub> ) <sub>2</sub>	1.5 $\mu\text{mol}$
B08	Pd/CataCXium A / LHMDS	2	Pd(OAc) <sub>2</sub> cataCXium A	1.5 $\mu\text{mol}$ 3.0 $\mu\text{mol}$
C01	BrettPhosG2 / P2-Et	2	BrettPhosG2	1.5 $\mu\text{mol}$
C02	RuPhosG2 / P2-Et	2	RuPhosG2	1.5 $\mu\text{mol}$
C03	XPhosG2 / P2-Et	2	XPhosG2	1.5 $\mu\text{mol}$
C04	tBuXPhosG3 / P2-Et	2	tBuXPhosG3	1.5 $\mu\text{mol}$
C05	tBuBrettPhosG3 / P2-Et	2	tBuBrettPhosG3	1.5 $\mu\text{mol}$
C06	Pd <sub>2</sub> (dba) <sub>3</sub> /dppf / P2-Et	2	Pd <sub>2</sub> dba <sub>3</sub> dppf	0.7 $\mu\text{mol}$ 3.0 $\mu\text{mol}$
C07	Pd(PtBu <sub>3</sub> ) <sub>2</sub> / P2-Et	2	Pd(PtBu <sub>3</sub> ) <sub>2</sub>	1.5 $\mu\text{mol}$

**Reagents/ Solvents**

Description	Quantity	Amount
LHMDS	2 x vial	202.5 μmol
NaOtBu	2 x vial	19.5 μmol
P2-Et	2 x vial	68.7 μmol

**Reagent Information**

Reagent	CAS	MW
Pd(PtBu <sub>3</sub> ) <sub>2</sub>	53199-31-8	511.00
Pd(OAc) <sub>2</sub>	3375-31-3	225.00
Pd <sub>2</sub> dba <sub>3</sub>	51364-51-3	916.00
BrettPhosG2	1451002-39-3	847.00
cataCXium A	321921-71-5	358.54
dppf	12150-46-8	554.00
LHMDS	4039-32-1	167.00
NaOtBu	865-48-5	96.00
P2-Et	165535-45-5	339.00
RuPhosG2	1375325-68-0	777.00
tBuBrettPhosG3	1536473-72-9	854.00
tBuXPhosG3	1447963-75-8	794.00
XPhosG2	564483-18-7	786.80