

## P450-2C9 VKORC-1 Synthetic Control

### PN WS-100

For Research Use Only. Analytical and performance characteristics are not established.  
Patent Pending

#### REAGENTS INCLUDED:

P450-2C9 VKORC1 Control

- WS-100: 1 tube, 110µl

#### STORAGE REQUIREMENTS:

- Store at: 4°C
- Long term storage: -15° to -25°C.

#### DESCRIPTION:

This tube contains synthetic reference nucleic acids comprising 5 mutations/variants in the cytochrome p450 CYP2C9 gene and 7 mutations/variations in the VKORC1 gene. This product is a reference control for use in molecular screening, mutation testing, and assays that identify mutations in the CYP450 2C9 VKORC1 genes. This control has not been extensively tested with methods other than those listed in this product insert. Please contact customer support for additional information.

Variant	Nucleotide Change	Amino Acid Change
CYP2C9*2	430 C>T	R144C
CYP2C9*3	1075 A>C	I359L
CYP2C9*4	1076 T>C	I359T
CYP2C9*5	1080 C>G	D360E
CYP2C9*6	818delA	Frameshift
VKORC1-1639	-1639 G>A	None
VKORC1+85	85 G>T	V29L
VKORC1+121	121 G>T	A41S
VKORC1+134	134 T>C	V45A
VKORC1+172	172 A>G	R58G
VKORC1+1331	1331 G>A	V66M
VKORC1+3487	3487 T>G	L128R

#### REAGENT PREPARATION:

- **Luminex Molecular Diagnostics CYP450-2C9 VKORC1 IUO Reagents:** Use 3µl of the control in place of the genomic DNA sample.