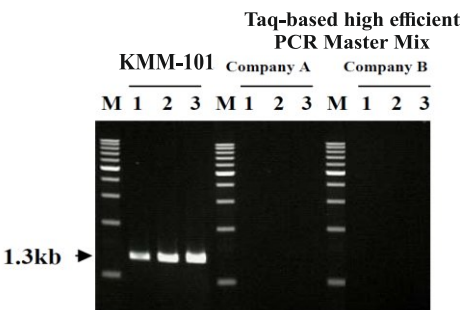


KOD One™ PCR Master Mix, KMM-101, 1 mL x 5 (200 Rxns; 25µl/Rxn.)

KOD One™ PCR Master Mix –Blue, KMM-201, 1 mL x 5 (200 Rxns; 25µl/Rxn.)

Based on genetically modified KOD DNA polymerase (UKOD). Enables fast PCR, which has an extension time of 5 sec./ kb by applying UKOD and a new Elongation Accelerator.

- Fast & Easy to Use
- High Fidelity- Exhibits approximately 80-fold higher fidelity than Taq DNA polymerase.
- High Efficiency- amplification from crude samples (e.g., biological samples, foodstuffs, soil extract, etc.)
- Primers or Templates Containing Inosines (dI) or Uracils (dU) can be used.



Human β -globin gene was amplified from whole blood sample (EDTA) [1: 1 μ l; 2: 2 μ l; 3: 4 μ l] with KOD One™ PCR Master Mix and Taq-based high efficient PCR master mix from company A & B.

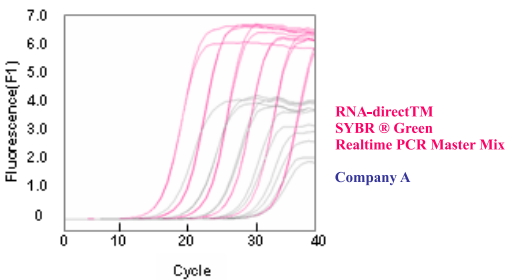
Following samples can be amplified with KMM-101 and KMM-201

Sample	Appropriate template amount	Remarks
<i>E. coli</i>	Picked small amount of cells from colonies	When reproducibility is not good, suspended cells in TE buffer should be added
Yeast	Picked small amount of cells from colonies	
Fungus	Picked small amount of cells from colonies	
Cultured cells	10^1 – 10^5 cells/2 μ L medium or PBS	As the concentration of extracted DNA is low, 35–40 cycle s are needed.
Whole Blood	1–2 μ L	
Nail	1 \times 1 mm	
Hair root	1–2 cm	On an agarose gel assay, a portion of amplicon may remain in the slots.
Leaf	2 \times 2 mm	
Milled rice	0.5 \times 0.5 mm	
Mouse tail	1 \times 1 mm	

RNA-direct™ SYBR® Green Realtime PCR Master Mix

QRT-201, 0.5 mL X 5 (100 Rxns; 25µl/Rxn.)

- 2 x Master Mix for "1-step real-time PCR" using a thermostable DNA polymerase derived from *Thermus thermophilus* (Tth) HB81).
- This system allows for "1-step real-time PCR", including reverse transcription and PCR steps. This reagent can be applied to an intercalation assay with SYBR® Green I.
- The ideal optimal target length range is 50~150 bp.



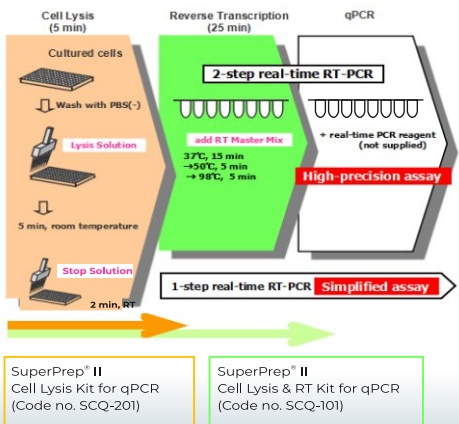
Comparison of the SYBR Green Assay

SuperPrep™ Cell Lysis & RT Kit for qPCR

SCQ-101, 100 Rxns.

- Consists of "Lysis Reagents" and "RT Reagents" for synthesis of cDNA templates for real-time PCR assays.
- "Lysis Reagents" prepares cell lysates containing RNAs that can be used as templates for reverse transcription.
- "RT Reagents" contains reagents for reverse transcription, optimized for efficient cDNA synthesis from crude lysates.

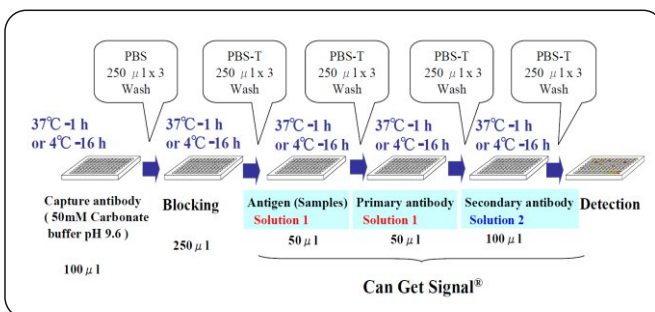
SuperPrep™ Cell Lysis Kit for qPCR (Code No. SCQ-201, 100Rxns.)- An option of "Lysis Reagents". The cell lysate prepared by "Lysis Reagents" can be applied to one-step real-time PCR.



Can Get Signal™ Immunoreaction Enhancer Solution

NKB-101T; NKB-101; NKB-201; NKB-301

- Enhances immunoassay signals up to several dozen times by keeping low background signals.
- Used for various assays such as western blotting, dot blotting, and ELISA.
- Used in combination with secondary antibodies labeled with peroxidase or alkaline phosphatase etc.

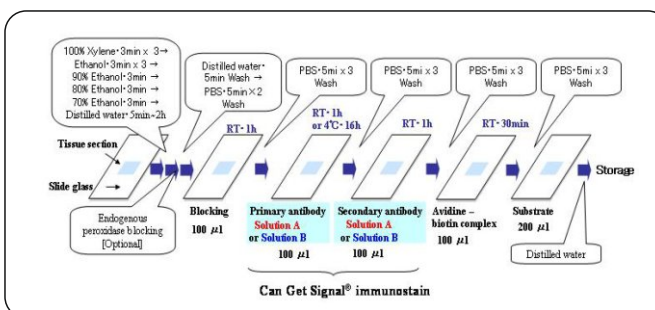


Reagent Name	NKB-101T	NKB-101	NKB-201	NKB-301
Solution 1 for primary antibody	50 mL	250 mL	250 mL	-
Solution 2 for secondary antibody	50 mL	250 mL	-	250 mL

Can Get Signal™ Immunostain Immunoreaction Enhancer Solution

NKB-401 ; NKB-501; NKB-601

- Contains an accelerator for antigen-antibody reactions, which improves sensitivity, specificity, and S/N of immunohistochemistry (IHC) and immunocytochemistry.
- Can be applied to various detection systems (e.g., chromogenic, chemiluminescence, or fluorescence).

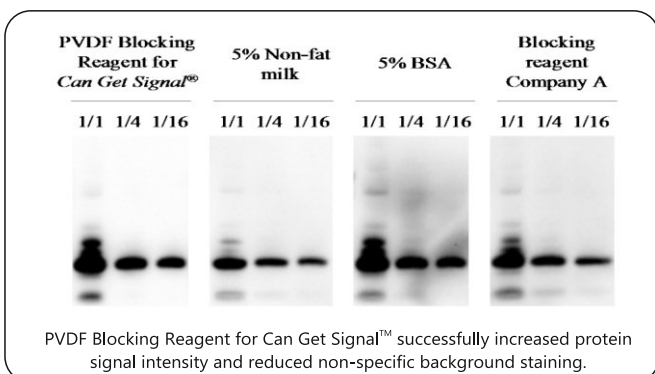


Reagent Name	NKB-401	NKB-501	NKB-601
Solution A	5 mL	20 mL	-
Solution B	5 mL	-	20 mL

PVDF Blocking Reagent for Can Get Signal

NYPBR01, 500 mL

- High performance blocking reagent optimized for Western blot.
- The reagent consists of a synthesized polymer, with no protein components.
- Used efficiently with Can Get Signal™ Immunoreaction Enhancer Solution.
- The reagent minimizes the masking effects of low signal intensities, whereas conventional blocking reagents (e.g., non-fat milk and gelatin) can mask Western blot protein signals.



GENETIX BIOTECH ASIA PVT. LTD.

71/1, Shivaji Marg, Najafgarh Road, New Delhi - 110 015

Ph: +91-11-45027000

Email: info@genetixbiotech.com Web: www.genetixbiotech.com

KOD DNA Polymerase

Long range PCR
GC rich template
Crude sample

KOD-Plus High Fidelity DNA Polymerase
(KOD-201, 200U)

KOD-Plus-Neo High Fidelity, Efficient & Fast DNA Polymerase
(KOD-401, 200U)

KOD-FX High Success Rate DNA polymerase
(KFX-101, 200U)

KOD-FX-Neo High Efficient & Success Rate DNA polymerase
(KFX-201, 200U)