

Master Mixes

PCR reagent technology

Rapi:Amj

Rapi:1 Step w/Gel Loading D Master Mix

Adding to the innovative hardware technology for PCR instrumentation, reliable reagent technology is another key component to perform ultra-fast amplification and detection of genes in PCR applications. Genesystem offers a series of PCR master mixes for ultra-fast PCR tasks using GENECHECKERTM. Depending on the application, different formats are available for immediate and easy use for your PCR applications.





Especially Formulated

The master mixes for Genesystem are 2x concentrated, ready-to-use reaction cocktails containing all components, except primers and templates, for ultra-fast PCR tasks. These premixes include a novel antibody-mediated hot-start DNA polymerase with improved speed when compared to other commercial polymerases. The master mix for real-time detection includes a double strand DNA specific-binding fluorescent dye and a reverse transcriptase available for one-step RT-PCR applications.



Maximum Efficiency

In addition, the Uracil-DNA glycosylase with dUTP system is applied to these PCR premixes for the prevention of carryover contamination. All the master mixes of Genesystem have been optimized to deliver maximum PCR efficiency, sensitivity and robust fluorescent signal using fast cycling protocols for dye-based detection in ultra-fast real-time PCR using GENECHECKERTM.



Product | Application

Rapi:Amp PCR

Rapi:Detect qPCR

Rapi:1-Step One-Step RT PCR

Rapi:Spec qPCR

Available in Canada from...







Master Mixes

General Protocol

Components	Volume
DNA Template	Your volume
Master Mix	5μl
Forward Primer (5-10 pmoles/µl)	Rapi:1 Stul
Reverse Primer (5-10 pmoles/µl)	w/Gel Loadil pp Rapi:1 Step Master Mix ™
D.W. For use with:	Adjust to final 10µl For use with: For use with:
Thermal Cycling and Real-Time I	PCR-enechecker UF-1 Cycle(s)
cDNA Synthesis 400 Reactions	Catalog #004006 Genechecker UF-150 400 Reacti Set at 0 sec Catalog #004002 0
Enzyme Activation	95°C for 30 secs
PCR Amplification use Denaturation	Genesystem Co. Ltd. Not to Clinical use. Made 9.5% C for 3-10 secs Genesystem Co. Ltd. Not 30-50
Storage Instructions: Keep scaled secure Annealing	Storage Instructio (your temp) 3-10 secs Made in Kora 30-50
silica gel in bas to prevent absorbing an Extension	scaled security in policin with storage Instructions: Keep silica gel in bag to p72°C for 3-10 secs ealed securely in pouch w:30-50 absorbing ambient moisture.
One Step Real-Time PCR	Mercen absorbing ambient moisture.
cDNA Synthesis	50°C for 5-30 mins 1
Enzyme Activation	95°C for 30 secs

Ordering Information

3-10 secs

95°C for 3-10 secs

72°C for 3-10 secs

30-50

30-50

30-50

Cat. No.	Description	Pack Size
004001	Rapi:Detect Master Mix with Fluorescent Dye for Model UF-150 GENECHECKER TM (400 Reactions)	1mL x 2 tubes
004002	Rapi:1-Step Master Mix RT-PCR with Fluorescent Dye for Model UF-150 GENECHECKER TM (400 Reactions)	1mL x 2 tubes
004003	Rapi:Amp Master Mix for Model UF-100 GENECHECKER TM (400 Reactions)	1mL x 2 tubes
004004	Rapi:Amp Master Mix with Gel loading Dye for Model UF-100 GENECHECKER TM (400 Reactions)	1mL x 2 tubes
004005	Rapi:Spec Probe Master Mix for Model UF-150 GENECHECKER TM (400 Reactions)	1mL x 2 tubes
004006	Rapi:1-Step Master Mix with RTase for Model UF-100 GENECHECKER TM (400 Reactions)	1mL x 2 tubes
004007	Rapi:Spec Probe Master Mix with RTase for Model UF-150 GENECHECKER TM (400 Reactions)	1mL x 2 tubes
004105	Rapi:Lyo Probe Lyophilized Master Mix for Model UF-150 GENECHECKER TM (480 reactions)	48 x 10 rxns

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PCR Amplification - Denaturation

- Annealing

- Extension

