

KAPA HyperPETE Newborn Screening Panel

KAPA HyperPETE Newborn Screening Panel for the primer extension target enrichment of a 294KB capture target region of the human genome in the KAPA HyperPETE Germline DNA Workflow for KAPA Target Enrichment products

 **Version 01**
Content version: July 2021
Store at -15°C to -25°C

Product Name and Pack Size	Catalog #
KAPA HyperPETE Newborn Screening Panel, 24 reactions	09329382001
KAPA HyperPETE Newborn Screening Panel, 96 reactions	09329439001
KAPA HyperPETE Newborn Screening Panel, 384 reactions	09329463001

Contents

Component	Quantity	Amount
Kit for 24 Reactions (Catalog # 09329382001)		
Newborn Screening Capture Panel	1	120µL
Newborn Screening Release Panel	1	240µL
Kit for 96 Reactions (Catalog # 09329439001)		
Newborn Screening Capture Panel	1	480µL
Newborn Screening Release Panel	1	960µL
Kit for 384 Reactions (Catalog # 09329463001)		
Newborn Screening Capture Panel	4	480µL
Newborn Screening Release Panel	4	960µL

When performing an automated workflow refer to the appropriate *Instructions for Use (IFU)* for alternative instructions.

Storage and Stability

Store the product at -15°C to -25°C through the expiration date printed on the label.

Warnings and Precautions



Do not expose KAPA HyperPETE Newborn Screening Panel tubes to temperatures above room temperature (~25°C) for extended periods

Application

The KAPA HyperPETE Newborn Screening Panel enables targeted enrichment of a 294KB capture target region of the human genome including the genes ABCD1, ACADM, ACADVL, ACAT1, ADA, AK2, ASL, ASS1, ATM, BCKDHA, BCKDHB, BLNK, BTD, BTK, CBS, CD247, CD3D, CD3E, CD3G, CD40LG, CFTR, CHD7, CORO1A, CYP11A1, CYP11B1, CYP17A1, CYP21A2, DBT, DCLRE1C, DKC1, DOCK2, DOCK8, FAH, FOXN1, GAA, GALE, GALK1, GALT, GATA2, GCDH, HADHA, HADHB, HBB, HLCS, HMGCL, HSD3B2, IDUA, IGHM, IL2RG, IL7R, IVD, JAK3, LIG4, MCCC1, MCCC2, MCEE, MMAA, MMAB, MMADHC, MMUT, MTHFD1, MTHFR, MTR, MTRR, NBN, NHEJ1, ORAI1, PAH, PAX8, PCCA, PCCB, PNP, POR, PRKDC, PTPRC, RAC2, RAG1, RAG2, RMRP, SLC22A5, SLC46A1, SMN1, STAR, STAT5B, STIM1, TBX1, TSHR, WAS, and ZAP70. Proprietary design algorithms improve capture uniformity and reduce the amount of sequencing needed to efficiently identify sequence variants.

Number of Reactions

The supplied KAPA HyperPETE Newborn Screening Panel is sufficient for 24, 96, or 384 enrichment reactions.

How to Use this Product

Instructions for use may be found in the *HyperPETE Germline DNA Workflow Instructions for Use (IFU)*. To download the latest version of an *IFU*, go to sequencing.roche.com/support.

Changes to Previous Version

First version

Ordering Information

For a complete overview of Roche Sequencing products, including those used in the *KAPA HyperPETE Workflow*, go to sequencing.roche.com/products.

Conventions

In this document, the following symbol is used to highlight important information:

Symbol Description

Important Note:



Information critical to the success of the procedure of use of the product

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