ARROW DIAGNOSTICS

DIAGNOSTIC SOLUTIONS IN MOLECULAR BIOLOGY

ONCOLOGY MICROBIOLOGY GENETICS RAPID TESTS

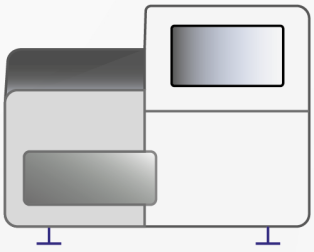
AD4SEQ

SCREENING METABOLIC SOLUTION

Screening metabolic solution is intended for molecular-genetic investigation of metabolic disorders and related conditions. Targeted gene regions of the assay include coding DNA sequences (CDSs) all genes included.

- **Fatty acid oxydation diseases**
- **Organic acedemia diseases**
- **Amino acidopathy**
- **Amino acid and vitamin B defects**
- **Galactosemia and hyperammonemia**

NGS LIBRARIES PREPARATION



NGS SEQUENCING

AUTOMATED DATA ANALYSIS

ARROW DIAGNOSTICS

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Fatty acid oxydation diseases

SLC22A5,CPT2,ACADVL,HADHA,HADHB,HADH,ACADM,CPT1A,CPT1B,SLC25A20,ETFB,ETFA,ETFDH, ACADS,DECR1,SLC52A1,SLC52A2,SLC52A3,FLAD1,ACAD9

Organic acedemia diseases

GCDH,SUGCT,IVD,ACAT1,HMGCS1,HMGCS2,HMGCL,PCCB,PCCA,MUT,MMAA,MMAB,MMACHC,LMBRD1, HLCS,BTD,MMADHC,AUH,TAZ,OPA3,DNAJC19,ACADSB,MLYCD,MCCC1,MCCC2,ACAD8,SERAC1,ETHE1, HIBCH,SUCLA2,TMEM70

Amino acidopathy

PCBD1,AHCY,DLD,DBT,BCKDHB,OTC,SLC7A5,ASS1,SLC7A7,GSTZ1,SLC25A13,SLC25A15, GNMT,MTHFR,ASL, ARG1,BCKDHA,PC,HPD,MAT1A,PPM1K,PAH,QDPR,PTS,TAT,OAT,CBS,FAH,UMPS,ALDH4A1,AMT,DNAJC12,GCH1, GCSH,GLDC,PRODH,SPR

Amino acid and vitamin B defects

ABCD4,ACSF3,AMN,CBS,CD320,CUBN,HCFC1,GIF,LMBRD1,MAT1A,MCEE,MMAA,MMAB,MMACHC,MMADHC, MTHFR,MTR,MTRR,MUT,PCCA,PCCB,SUCLA2,ULG1,TCN1,TCN2,DHFRSLC19A2,MTHFD1,FUT2,PRDX1,SLC46A1, SUCLG2,THAP11,ZNF143

Galactosemia and hyperammonemia

GALK1,GALE,GALT,BTD

ORDERING INFORMATION

Cat. Number	Product	Package volume
AD-202.024	Screening Metabolic solution(FAO)	24 Reactions
AD-202.048	Screening Metabolic solution (FAO)	48 Reactions
AD-203.024	Screening Metabolic solution (AO)	24 Reactions
AD-203.048	Screening Metabolic solution(AO)	48 Reactions
AD-204.024	Screening Metabolic solution (AA)	24 Reactions
AD-204.048	Screening Metabolic solution (AA)	48 Reactions
AD-205.024	Screening Metabolic solution (AAVB)	24 Reactions
AD-205.048	Screening Metabolic solution (AAVB)	48 Reactions
AD-206.024	Screening Metabolic solution (GH)	24 Reactions
AD-206.048	Screening Metabolic solution (GH)	48 Reactions