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#### Datasheet for W10-000-T020

# Mouse Liver, adult, Whole Cell Lysate

#### **Overview**

Description:	Mouse Liver, adult, Whole Cell Lysate - W10-000-T020
Item No.:	W10-000-T020
Size:	500 μg
Applications:	SDS-PAGE
Origin:	Mouse

#### **Product Details**

Background:	Ready-to-use whole cell lysates produced by Rockland Immunochemicals are derived from cell lines or tissues using highly refined extraction protocols to ensure exceptionally high quality, protein integrity and lot-to-lot reproducibility. All extracts are tested by SDS-PAGE using 4-20% gradient gels and immunoblot analysis using antibodies to key cell signaling components to confirm the presence of both high molecular weight and low molecular weight proteins.
Synonyms:	Normal Mouse Liver Whole Cell Lysate, Normal Mouse Liver WCL, Mouse Liver Lysate, Mouse Liver adult Whole Cell Lysate
Species of Origin:	Mouse

### **Target Details**

**Purity/Specificity:** Tissues were washed exhaustively with PBS to remove blood and other debris. A lysate was

prepared by homogenizing the tissue and washing the cells in cold PBS. Washed cells were incubated at 4° C in modified RIPA buffer to lyse the cells. Protein integrity is ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08  $\mu$ M Aprotinin, 5  $\mu$ M Bestatin, 1.5  $\mu$ M E-64, 2  $\mu$ M Leupeptin Hemisulfate and 1  $\mu$ M Pepstatin A). The following phosphatase inhibitors were also added: 1 mM NaF and 1 mM Na3VO4. Cell debris was removed by centrifugation and membrane filtration. Protein concentration was determined by Lowry assay using a commercially available kit. The protein concentration was adjusted to 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer was added.

# **Application Details**

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<b>Tested Applications:</b>	SDS-PAGE
Application Note:	W10-000-T020 has been tested by SDS-PAGE. Ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95° C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 $\mu$ l depending on the size format of your gel.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

### **Cell Line Data**

Cell Line:	Primary tissue
Lysate Fractionation:	Whole Cell Lysate
Lysate Stimulation:	Not Stimulated
Culture Type:	Primary Tissue
Induction:	None (Control)

## **Formulation**

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by modified Lowry assay
Buffer:	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
Preservative:	None
Stabilizer:	10% (v/v) Glycerol

# **Shipping & Handling**

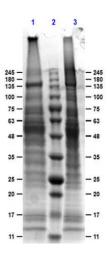
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Expiration:	Expiration date is three (3) months from date of receipt.

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### **Images**



#### SDS-PAGE

SDS PAGE of Normal Mouse Liver Whole cell Lysate. Lane 1: Reduced Mouse Liver Whole cell lysate. Lane 2: Protein Ladder Opal Pre-stained (p/n MB-210-0500). Lane 3: Non-Reduced Mouse Whole cell lysate. Coomassie Blue Stained.

#### Disclaimer

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