



## Dip-N-Spots™ Tissue & Cell Line Lysate Dipstick Array

Dip-N-Spots™ are microarrays in an innovative dipstick format which simplifies protein analysis and antibody characterization experiments. Lysates from normal human, mouse, and rat tissues and cell lines are arrayed onto supported PVDF membranes for strength and high protein binding. Simply align the developed strip next to the marker key provided on the data sheet to identify the tissue or cell line expressing the protein of interest. Each strip comes individually packaged in a convenient 2 ml incubation chamber ready to use with minimal reagent volume requirements. Dip-N-Spots™ are compatible with colorimetric, chemiluminescent or fluorescent detection systems. The same specimens used to prepare the Dip-N-Spots™ are available in Western Blot format (Dip-N-Blots™) and as ready to use lysates.

### *Human Tissue Panel Catalog Numbers:*

<b>SHN-1</b>	<b>Human Digestive Panel</b>	<b>SHN-2</b>	<b>Human Reproductive Panel</b>
HN-30	tongue	HN-37-1	vaginal mucosa
HN-24	salivary gland	HN-37-2	vaginal wall
HN-12	larynx	HN-35	uterus
HN-28	esophagus	HN-36	cervix
HN-29	stomach	HN-38	fallopian tube
HN-20	pancreas	HN-19	ovary
HN-13	liver	HN-18	breast
HN-14	gall bladder	HN-22	placenta
HN-27-1	duodenum	HN-31	testis
HN-27-2	ileum	HN-23	prostate
HN-27-3	jejunum	HN-39	urethra
HN-27-4	appendix		
HN-06	colon		
<b>SHN-3</b>	<b>Human Endocrine/ Urinary Panel</b>	<b>SHN-4</b>	<b>Human Cardio / Respiratory Panel</b>
HN-21	pituitary	HN-10-1	heart
HN-33	thyroid	HN-10-2	coronary artery
HN-32	thymus	HN-10-3	left ventricle
HN-02	adrenal	HN-10-4	pericardium
HN-20	pancreas	HN-10-5	aorta
HN-19	ovary	HN-12	larynx
HN-31	testis	HN-34	trachea
HN-11	kidney	HN-16	bronchus
HN-40	ureter	HN-15-1	lung
HN-03	bladder	HN-15-2	lung
HN-39	urethra	HN-15-3	lung
<b>SHN-5</b>	<b>Human Lymphatic / Misc. Panel</b>	<b>SHN-6</b>	<b>Human Major Organs Panel</b>
HN-08	spleen	HN-29	stomach
HN-17-1	lymph node	HN-20	pancreas
HN-17-2	lymph node	HN-13	liver
HN-32	thymus	HN-06	colon
HN-05	tonsil	HN-35	uterus
HN-26-1	skin	HN-19	ovary
HN-26-2	skin	HN-18	breast
HN-25-1	skeletal muscle	HN-31	testis
HN-25-2	skeletal muscle	HN-23	prostate
HN-01-1	adipose	HN-10-1	heart
HN-01-2	adipose	HN-15	lung
HN-04-3	cerebellum		



***Human Tissue Panel Catalog Numbers:***

**SHN-7 Human Brain 1 Panel**

HN-04-01 dura mater  
HN-04-02 caudate nucleus  
HN-04-03 cerebellum  
HN-04-04 hemangioblastoma  
HN-04-05 cerebral meninges  
HN-04-06 cerebral peduncles  
HN-04-07 cerebrum  
HN-04-08 corpus callosum  
HN-04-09 globus pallidus  
HN-04-10 hippocampus

**SHN-9 Human Brain 3 Panel**

HN-04-21 substantia nigra  
HN-04-22 superior parietal lobe  
HN-04-23 thalamus  
HN-04-24 vermis cerebelli  
HN-04-25 brain cortex  
HN-04-26 frontal cortex  
HN-04-27 frontal lobe  
HN-04-28 parietal cortex  
HN-04-29 temporal lobe  
HN-04-30 parietal lobe

**SHN-8 Human Brain 2 Panel**

HN-04-11 hypothalamus  
HN-04-12 nucleus accumbens  
HN-04-13 occipital cortex  
HN-04-14 occipital lobe  
HN-04-15 olfactory lobe  
HN-04-16 postcentral gyrus  
HN-04-17 posterior cortex  
HN-04-18 precentral gyrus  
HN-04-19 putamen  
HN-04-20 striatum

***Mouse Tissue Panel Catalog Number:***

**SMN-1 Mouse Tissue Panel 1**

MN-01 adipose  
MN-02 adrenal  
MN-03 bladder  
MN-04 cerebellum  
MN-05 cerebrum  
MN-06 colon  
MN-07 eye  
MN-08 esophagus  
MN-09 fetus  
MN-10 heart  
MN-11 kidney

**SMN-3 Mouse Tissue Panel 3**

MN-23 skeletal muscle  
MN-24 skin  
MN-25 small intestine  
MN-26 spleen  
MN-27 stomach  
MN-28 tongue  
MN-29 testis  
MN-30 thymus  
MN-31 thyroid  
MN-32 trachea  
MN-33 uterus

**SMN-2 Mouse Tissue Panel 2**

MN-12 larynx  
MN-13 liver  
MN-14 lung  
MN-15 lymph node  
MN-16 mammary gland  
MN-17 ovary  
MN-18 pancreas  
MN-19 pituitary  
MN-20 placenta  
MN-21 prostate  
MN-22 salivary gland



**PROTEIN**  
BIOTECHNOLOGIES

***Rat Tissue Panel Catalog Numbers:***

<b>SRN-1</b>	<b>Rat Tissue Panel 1</b>	<b>SRN-2</b>	<b>Rat Tissue Panel 2</b>
RN-01	adipose	RN-12	larynx
RN-02	adrenal	RN-13	liver
RN-03	bladder	RN-14	lung
RN-04	cerebellum	RN-15	lymph node
RN-05	cerebrum	RN-16	mammary gland
RN-06	colon	RN-17	ovary
RN-07	eye	RN-18	pancreas
RN-08	esophagus	RN-19	pituitary
RN-09	fetus	RN-20	placenta
RN-10	heart	RN-21	prostate
RN-11	kidney	RN-22	salivary gland
<b>SRN-3</b>	<b>Rat Tissue Panel 3</b>		
RN-23	skeletal muscle		
RN-24	skin		
RN-25	small intestine		
RN-26	spleen		
RN-27	stomach		
RN-28	tongue		
RN-29	testis		
RN-30	thymus		
RN-31	thyroid		
RN-32	trachea		
RN-33	uterus		

***Cell Line Panel Catalog Numbers:***

<b>SCL-1</b>	<b>Cell Line Panel 1</b>
CL-01	A549 / human lung carcinoma
CL-02	HeLa / human cervix epithelioid carcinoma
CL-03	Jurkat / human lymphoma T lymphocyte, acute T cell leukemia
CL-04	MCF7 / human breast adenocarcinoma, pleural effusion
CL-05	PC-3 / human prostate adenocarcinoma
CL-06	HepG2 / human hepatocellular carcinoma
CL-07	293 / human transformed primary embryonal kidney
CL-08	HT-29 / human colon adenocarcinoma
CL-09	A431 / human epidermoid carcinoma
CL-10	K562 / human chronic myelogenous leukemia
CL-11	MOLT4 / human acute lymphoblastic leukemia
CL-12	NIH-3T3 / mouse embryonic fibroblast
<b>SCL-2</b>	<b>Cell Line Panel 2</b>
CL-13	HS 578T / human breast ductal carcinoma
CL-14	HL 60 / human promyelocytic leukemia
CL-15	Raji / human Burkitt lymphoma
CL-16	OVCAR-3 / human ovarian adenocarcinoma
CL-17	SK-N-SH / human brain neuroblastoma
CL-18	SW 1353 / human humerus chondrosarcoma
CL-19	SW 480 / human colon adenocarcinoma
CL-20	T24 / human bladder transitional cell carcinoma
CL-21	THP-1 / human monocyte
CL-22	786-0 / human primary renal cell adenocarcinoma
CL-23	CRL-1976 / human uterine sarcoma



<b>SCL-3</b>	<b>Cell Line Panel 3</b>
CL-24	22Rv1 / human prostate carcinoma
CL-25	DU 145 / human prostate carcinoma metastasis to brain
CL-26	WI 38 / human lung diploid
CL-27	U-2 OS / human bone osteosarcoma
CL-28	Capan-2 / human pancreas adenocarcinoma
CL-29	AGS / human stomach gastric adenocarcinoma
CL-30	Daudi / human peripheral blood B lymphoblast, Burkitt's lymphoma
CL-31	HT-144 / human skin malignant melanoma
CL-32	Hs 729 / human muscle rhabdomyosarcoma
CL-33	HCT 116 / human colon colorectal carcinoma
CL-34	SK-OV-3 / human ovary adenocarcinoma (ascites metastasis)

**Description:** Whole protein lysates from normal tissues or cell lines are arrayed on PVDF membrane-coated dipsticks.

**Application:** Dip-N-Spots™ products can be used for stand-alone data collection or for preliminary screening of reagents prior to more extensive studies. These products help determine protein expression patterns and aid in the selection of appropriate samples for additional research. The same tissue lysates used to prepare the dipsticks can be obtained from Protein Biotechnologies extensive collection of normal and tumor specimens.

**Storage:** From time of receipt, this product is stable for 12 months at 4-8°C.

**Sample Preparation:** Tissue specimens are homogenized in modified RIPA buffer to obtain soluble protein and centrifuged to remove insoluble biomaterial.

**Source:** *Human tissues:* Integrated Laboratory Services-Biotech (ILSbio), Chestertown, MD 21620

*Cell lines:* Biovest International Cell Culture Facility.

*Mouse and rat tissues:* Normal mice and rats, euthanised by hyperbaric CO<sub>2</sub>, in accordance with methods approved by the AVMA Panel on Euthanasia. Tissues and cells are collected and flash frozen, prior to preparation of the lysates.

**For Research Use Only**

***Human Tissue Panels***

HN-30	tongue
HN-24	salivary gland
HN-12	larynx
HN-28	esophagus
HN-29	stomach
HN-20	pancreas
HN-13	liver
HN-14	gall bladder
HN-27-1	duodenum
HN-27-2	ileum
HN-27-3	jejunum
HN-27-4	appendix
HN-06	colon

**Human Digestive Panel**  
*Catalog Number SHN-1*

HN-37-1	vaginal mucosa
HN-37-2	vaginal wall
HN-35	uterus
HN-36	cervix
HN-38	fallopian tube
HN-19	ovary
HN-18	breast
HN-22	placenta
HN-31	testis
HN-23	prostate
HN-39	urethra

**Human Reproductive Panel**  
*Catalog Number SHN-2*

HN-21	pituitary
HN-33	thyroid
HN-32	thymus
HN-02	adrenal
HN-20	pancreas
HN-19	ovary
HN-31	testis
HN-11	kidney
HN-40	ureter
HN-03	bladder
HN-39	urethra

**Human Endocrine/ Urinary Panel**  
*Catalog Number SHN-3*

HN-10-1	heart
HN-10-2	coronary artery
HN-10-3	left ventricle
HN-10-4	pericardium
HN-10-5	aorta
HN-12	larynx
HN-34	trachea
HN-16	bronchus
HN-15-1	lung
HN-15-2	lung
HN-15-3	lung

**Human Cardio / Resp Panel**  
*Catalog Number SHN-4*

HN-08	spleen
HN-17-1	lymph node
HN-17-2	lymph node
HN-32	thymus
HN-05	tonsil
HN-26-1	skin
HN-26-2	skin
HN-25-1	skeletal muscle
HN-25-2	skeletal muscle
HN-01-1	adipose
HN-01-2	adipose
HN-04-3	cerebellum

**Human Lymphatic / Misc. Panel**  
*Catalog Number SHN-5*

HN-29	stomach
HN-20	pancreas
HN-13	liver
HN-06	colon
HN-35	uterus
HN-19	ovary
HN-18	breast
HN-31	testis
HN-23	prostate
HN-10-1	heart
HN-15	lung

**Human Major Organs Panel**  
*Catalog Number SHN-6*

***Human Tissue Panels***

HN-04-01	dura mater	HN-04-11	hypothalamus	HN-04-21	substantia nigra
HN-04-02	caudate nucleus	HN-04-12	nucleus accumbens	HN-04-22	superior parietal lobe
HN-04-03	cerebellum	HN-04-13	occipital cortex	HN-04-23	thalamus
HN-04-04	hemangioblastoma	HN-04-14	occipital lobe	HN-04-24	vermis cerebelli
HN-04-05	cerebral meninges	HN-04-15	olfactory lobe	HN-04-25	brain cortex
HN-04-06	cerebral peduncles	HN-04-16	postcentral gyrus	HN-04-26	frontal cortex
HN-04-07	cerebrum	HN-04-17	posterior cortex	HN-04-27	frontal lobe
HN-04-08	corpus callosum	HN-04-18	precentral gyrus	HN-04-28	parietal cortex
HN-04-09	globus pallidus	HN-04-19	putamen	HN-04-29	temporal lobe
HN-04-10	hippocampus	HN-04-20	striatum	HN-04-30	parietal lobe

**Human Brain 1 Panel**

*Catalog Number SHN-7*

**Human Brain 2 Panel**

*Catalog Number SHN-8*

**Human Brain 3 Panel**

*Catalog Number SHN-9*

***Mouse Tissue Panels***

MN-01	adipose	MN-12	larynx	MN-23	skeletal muscle
MN-02	adrenal	MN-13	liver	MN-24	skin
MN-03	bladder	MN-14	lung	MN-25	small intestine
MN-04	cerebellum	MN-15	lymph node	MN-26	spleen
MN-05	cerebrum	MN-16	mammary gland	MN-27	stomach
MN-06	colon	MN-17	ovary	MN-28	tongue
MN-07	eye	MN-18	pancreas	MN-29	testis
MN-08	esophagus	MN-19	pituitary	MN-30	thymus
MN-09	fetus	MN-20	placenta	MN-31	thyroid
MN-10	heart	MN-21	prostate	MN-32	trachea
MN-11	kidney	MN-22	salivary gland	MN-33	uterus

**Mouse Tissue Panel 1**

*Catalog Number SMN-1*

**Mouse Tissue Panel 2**

*Catalog Number SMN-2*

**Mouse Tissue Panel 3**

*Catalog Number SMN-3*



**PROTEIN**  
BIOTECHNOLOGIES

***Rat Tissue Panels***

RN-01	adipose
RN-02	adrenal
RN-03	bladder
RN-04	cerebellum
RN-05	cerebrum
RN-06	colon
RN-07	eye
RN-08	esophagus
RN-09	fetus
RN-10	heart
RN-11	kidney

RN-12	larynx
RN-13	liver
RN-14	lung
RN-15	lymph node
RN-16	mammary gland
RN-17	ovary
RN-18	pancreas
RN-19	pituitary
RN-20	placenta
RN-21	prostate
RN-22	salivary gland

RN-23	skeletal muscle
RN-24	skin
RN-25	small intestine
RN-26	spleen
RN-27	stomach
RN-28	tongue
RN-29	testis
RN-30	thymus
RN-31	thyroid
RN-32	trachea
RN-33	uterus

**Rat Tissue Panel 1**

**Rat Tissue Panel 2**

**Rat Tissue Panel 3**

***Catalog Number SRN-1***

***Catalog Number SRN-2***

***Catalog Number SRN-3***

***Cell Line Panels***

CL-01	A549 / human lung carcinoma
CL-02	HeLa / human cervix epithelioid carcinoma
CL-03	Jurkat / human lymphoma T lymphocyte, acute T cell leukemia
CL-04	MCF7 / human breast adenocarcinoma, pleural effusion
CL-05	PC-3 / human prostate adenocarcinoma
CL-06	HepG2 / human hepatocellular carcinoma
CL-07	293 / human transformed primary embryonal kidney
CL-08	HT-29 / human colon adenocarcinoma
CL-09	A431 / human epidermoid carcinoma
CL-10	K562 / human chronic myelogenous leukemia
CL-11	MOLT4 / human acute lymphoblastic leukemia
CL-12	NIH-3T3 / mouse embryonic fibroblast

CL-13	HS 578T / human breast ductal carcinoma
CL-14	HL 60 / human promyelocytic leukemia
CL-15	Raji / human Burkitt lymphoma
CL-16	OVCAR-3 / human ovarian adenocarcinoma
CL-17	SK-N-SH / human brain neuroblastoma
CL-18	SW 1353 / human humerus chondrosarcoma
CL-19	SW 480 / human colon adenocarcinoma
CL-20	T24 / human bladder transitional cell carcinoma
CL-21	THP-1 / human monocyte
CL-22	786-0 / human primary renal cell adenocarcinoma
CL-23	CRL-1976 / human uterine sarcoma

**Cell Line Panel 1    *Catalog Number SCL-1***

**Cell Line Panel 2    *Catalog Number SCL-2***



**PROTEIN**  
BIOTECHNOLOGIES

CL-24	<u>22Rv1 / human prostate carcinoma</u>
CL-25	<u>Raji / human Burkitt lymphoma DU 145 / human prostate carcinoma metastasis to brain</u>
CL-26	<u>OVCAR-3 / human ovarian adenocarcinoma WI 38 / human lung diploid</u>
CL-27	<u>SK-N-SH / human brain neuroblastoma U-2 OS / human bone osteosarcoma</u>
CL-28	<u>SW 1353 / human humerus chondrosarcoma Capan-2 / human pancreas adenocarcinoma</u>
CL-29	<u>SW 480 / human colon adenocarcinoma AGS / human stomach gastric adenocarcinoma</u>
CL-30	<u>T24 / human bladder transitional cell carcinoma Daudi / human peripheral blood B lymphoblast, Burkitt's lymphoma</u>
CL-31	<u>THP-1 / human monocyte HT-144 / human skin malignant melanoma</u>
CL-32	<u>786-0 / human primary renal cell adenocarcinoma Hs 729 / human muscle rhabdomyosarcoma</u>
CL-33	<u>CRL-1976 / human uterine sarcoma HCT 116 / human colon colorectal carcinoma</u>
CL-34	<u>SK-OV-3 / human ovary adenocarcinoma (ascites metastasis)</u>

**Cell Line Panel 3      *Catalog Number SCL-3***